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5

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SCIENTIFIC AND TECHNICAL BOOKS

VOLUME 17 NUMBER 1
JANUARY 1952
Nos. 1-85

Aslib members: 12s. p.a.
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Aslib
4 PALACE GATE, LONDON, W.8.

P15766

PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : Her Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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GENERAL SCIENCE

OXFORD UNIVERSITY. Exploration Club

New Hebrides papers: scientific results of the Oxford University expedition to the New Hebrides, 1933–34. [Ed. by C. Elton.] O.U.P. (for Oxford University Exploration Club), 1951. pp.[259], plates, maps, tables, diagrs., bibliog. 25s. *(C) 1*

DOCUMENTATION

CASEY, R. S., *and* **PERRY, J. W.,** *eds.*

Punched cards; their applications to science and industry. New York, Reinhold; [London, C. & H.], 1951. pp.viii,506, illus., tables, diagrs., bibliog. $10 or 80s. *(C) 2*

LIBRARIANSHIP

ALLSOP, K. M.

A mental hospital library: report of an experiment at Lancaster Moor Hospital in 1947–1949. Library Association, 1951. pp.44, front. 5s. (3s. 6d. to members). *Library Association Pamphlet no. 6.* *(A) 3*

FEIPEL, L. N., *and* **BROWNING, E. W.**

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HARROD, L. M., *comp.*

The libraries of Greater London; a guide. Bell, 1951. pp.vii,252. 25s. *(D) 5*

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The organization of book provision, the provision of books and information for industry, the provision of books in the future; papers read at the annual week-end conference of the London and Home Counties Branch of the Library Association held at Hove, 19–21st October, 1951. Ed. F. Higenbottam. The Association, 1951. pp.40. 5s. *(B) 7*

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A primer of book classification. [Rev. ed.]. Association of Assistant Librarians, 1951. pp.230. 8s. 6d. *(B) 9*

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Thinking; an introduction to its experimental psychology. New York, Wiley; London, Methuen, 1951. pp.xi,331, tables. or 21s. *Methuen's manuals of modern psychology, ed. by C. A. Mace.* *(C) 12*

MONRO, D. H.

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STATISTICS

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Annual abstract of statistics, no. 1, 1931–1949 Ed. R. Padley. Birmingham, the Corporation, 1951. pp.xiii,139, maps, tables. 15s. *(D) 15*

MUDGETT, B. D.

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CLARK, F. Le G., *and* **PIRIE, N. W.,** *eds.*

Four thousand million mouths: scientific humanism and the shadow of world hunger. O.U.P., 1951. pp.[12],222, plates, tables, diagr. 12s. 6d. *(B) 17*

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DACEY, W. M.
The British banking mechanism. Hutchinson, 1951. pp.203, tables. 8s. 6d. *Hutchinson's university library, economics, ed. by R. F. Harrod.* (*A*) *18*

ROWNTREE, B. S., *and* **LAVERS, G. R.**
Poverty and the welfare state: a third social survey of York dealing only with economic questions. L.G., 1951. pp.vii,104, tables, diagrs. 7s. 6d. (*B*) *19*

SAMUELSON, P. A.
Economics; an introductory analysis. 2nd ed. McG.-H., 1951. pp.xxii,762, tables, diagrs. 36s. 'Previous ed. 1948.' (*B*) *20*

TAYLOR, O. R.
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Libraries, museums and art galleries; a report. Edinburgh, H.M.S.O., 1951. pp.145. 3s. 6d. *Cmd. 8229.* (*A*) *22*

MEAD, M.
School in American culture. Cambridge, Massachusetts, Harvard U.P.; London, O.U.P., 1951. pp.[8],48, bibliog. $1.50 or 9s. (*B*) *23*

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RAYBOULD, S. G.
The English universities and adult education. Workers' Educational Association, 1951. pp.xviii,169, tables, bibliog. 6s. (*A*) *25*

MATHEMATICS

MORONEY, M. J.
Facts from figures. Harmondsworth, Middlesex, Penguin Books, 1951. pp.[8],472, tables, diagrs., bibliog. 5s. (*A*) *26*

ASTRONOMY

HARANG, L.
The aurorae. Vol. 1. C. & H., 1951. pp.x,166, illus., maps, tables, diagrs., bibliog. 25s. *The international astrophysics series, ed. by M. A. Ellison and A. C. B. Lovell.* (*B*) *27*

PHYSICS

BORN, M.
Atomic physics. 5th ed. Revised by the author from the original translation of J. Dougall. Blackie, 1951. pp.xiv,437, tables, diagrs., bibliog. 35s. 'Previous ed. 1946, thoroughly revised and brought up to date . . . a new chapter on nuclear physics and a new section on the density of the electronic cloud have been added.' (*C*) *28*

CREDE, C. E.
Vibration and shock isolation. New York, Wiley, 1951. pp.xvii,328, illus. $6. (*C*) *29*

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College chemistry in the laboratory: a manual designed to accompany Pauling's College chemistry. Illus. by R. Hayward. San Francisco, California, W. H. Freeman, 1950; London, Bailey Bros. and Swinfen, 1951. pp.xxxvi,331, illus., tables, diagrs. $3 or 25s. 6d. *A series of chemistry texts.* *(B) 32*

PAULING, L.

College chemistry: an introductory textbook of general chemistry. Illus. by R. Hayward. San Francisco, California, W. H. Freeman, 1951; London, Bailey Bros. and Swinfen, 1951. pp.x,705, tables, diagrs., bibliog. $4.50 or 38s. 6d. *A series of chemistry texts.* *(B) 33*

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METEOROLOGY

LITTLE, W. B., *and* DRURY, G.

Science and the weather. 2nd ed. Pitman, 1951. pp.ix,110, illus., tables, diagrs. 6s. 6d. 'Previous ed. 1933.' *(A) 34*

BIOCHEMISTRY

Annual review of biochemistry

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CATCHESIDE, D. G.

The genetics of micro-organisms. Pitman, 1951. pp.vii,223, front., illus., tables, diagrs., bibliog. 21s. *(C) 36*

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Experiments in general biology. Illus. by A. E. Algard. San Francisco, California, W. H. Freeman, 1950; London, Bailey Bros. and Swinfen, 1951. pp.vii,182, illus., tables, diagrs. $2 or 17s. *A series of biology texts.* *(B) 37*

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STERN, C.

Principles of human genetics. San Francisco, California, W. H. Freeman, 1949; London, Bailey Bros. and Swinfen, 1951. pp.xi,617, illus., tables, diagrs. $7.50 or 47s. *A series of biology texts.* *(B) 40*

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GRIMES, W. F.

The prehistory of Wales. Cardiff, National Museum of Wales, 1951. pp.xvii, 288, front., illus., plates, plans, tables, diagrs., bibliog. 15s. *(B) 41*

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DUNN, L. C.

Race and biology. Paris, United Nations Educational, Scientific and Cultural Organization; London, H.M.S.O., 1951. pp.43, tables, bibliog. 1s. 6d. *The race question in modern science.* *(A) 42*

BOTANY

LILLY, V. G., *and* **BARNETT, H. L.**

Physiology of the fungi. New York and London, McG.-H., 1951. pp.xii, 464, front., illus., tables, diagrs., bibliog. $7.50 or 64s. *McGraw-Hill publications in the botanical sciences, ed. by E. W. Sinnott.* *(C) 43*

McLEAN, R. C., *and* **IVIMEY-COOK, W. R.**

Textbook of theoretical botany. Vol. 1. L.G., 1951. pp.xv,1069, front., illus., tables, diagrs. 70s. *(C) 44*

OOSTING, H. J.

The study of plant communities: an introduction to plant ecology. San Francisco, California, W. H. Freeman, 1950; London, Bailey Bros. and Swinfen. 1951. pp.389, illus., tables, maps, diagrs. $4.50 or 37s. 6d. *(B) 45*

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Hymenoptera (Symphyta). Royal Entomological Society, 1951. pp.49, illus., diagrs. 10s. *Royal Entomological Society handbooks for the identification of British insects. Vol. 6, pt. 2(a).* *(C) 46*

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Diptera of Patagonia and South Chile; based mainly on material in the British Museum, Natural History. Part III, Mycetophilidae, by P. Freeman. British Museum, Natural History, 1951. pp.vii,140, plates. 30s. *(C) 47*

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MAYNARD, E. A.

Monograph of the collembola or springtail insects of New York State. Ithaca, Comstock [published in association] with Cornell University Press, 1951. pp.xxii,339, illus., plates (some col.). $7.50. 'Thesis.' *(C) 49*

METCALF, C. L., *and* **FLINT, W. P.**

Destructive and useful insects; their habits and control. 3rd ed. revised by R. L. Metcalf. New York and London, McG.-H., 1951. pp.xiv,1071, illus., maps, tables, diagrs. $10 or 85s. *McGraw-Hill publications in the agricultural sciences, ed. by R. A. Brink.* 'Previous ed. 1939.' *(C) 50*

WEST, L. S.

The housefly; its natural history, medical importance, and control. Ithaca, New York, Comstock; London, Constable, 1951. pp.584, front., illus. (incl. ports.), tables, diagrs., bibliog. $7.50 or 63s (*C*) *51*

ENGINEERING

BRADY, G. S.

Materials handbook; an encyclopaedia for purchasing agents, engineers, executives, and foremen. 7th ed. New York and London, McG.-H., 1951. pp. vii, 913, illus., maps, tables, diagrs. $8.50 or 72s. 6d. 'Previous ed. 1947.' (*D*) *52*

ELECTRICAL

BOLTON, D. J.

Electrical engineering economics. Vol. 2, Costs and tariffs in electricity supply. 2nd revised ed. C. & H., 1951. pp.xi,3[illegible], front., tables, diagrs. 30s. 'Previous ed. 1938, published as Costs and tariffs in electricity supply.' (*C*) *53*

CAZALY, W. H., *and* **RODDAM, T.**

A.C./D.C. test meters: principles, design and construction of instruments of workshop grade for testing low-power apparatus. Pitman, 1951. pp.viii,180, illus., tables, diagrs. 18s. (*B*) *54*

GIMSON, C. E.

Electric lighting. Cleaver-Hume, 1951. pp.[illegible]4, front., illus., tables, diagrs. 9s. 6d. *Cleaver-Hume electrical series, general ed. H. Cotton, no. 7* (*B*) *55*

ELECTRICAL COMMUNICATIONS

GREAT BRITAIN. Department of Scientific and Industrial Research

Radio direction-finding and navigational aids; some reports on German work issued in 1944–1945. H.M.S.O., 1951. pp.iv,92, plates, tables, diagrs. 3s. 6d. *Radio research, special report, 21.* (*C*) *56*

HORTON, D.

Television's story and challenge. Harrap, 1951. pp.183, plates, diagrs., map. 12s. 6d. (*A*) *57*

INTERNAL COMBUSTION

FISHER, C. H.

Carburation. V. 1: Applied carburation and petrol injection. 3rd ed. C. & H., 1951. pp.xv,356, plates, tables, diagrs. 36s. 'Previous ed. 1945, published in one V. as Carburation and carburettors.' (*C*) *58*

ROBSON, J. M.

All-purpose diesels: a practical work for diesel engineers, manufacturers, and users of all types of high-speed oil engines, with a chapter by C. A. Pickering. Pitman, 1951. pp.vii,316, illus., tables, diagrs. 50s. (*B*) *59*

CIVIL

MARSHALL, W. T.

The fundamental principles of reinforced concrete design. Blackie, 1951. pp.[7],176, illus., tables, diagrs., bibliogs. 20s. (*B*) *60*

AERONAUTICAL

GREAT BRITAIN. Aeronautical Research Council

Aircraft flutter by J. Williams. H.M.S.O., 1951. pp.[2],62, bibliog. 13s. *Research and memoranda series, no. 2,492.* (*C*) *61*

AGRICULTURE

HORTICULTURE

CLIFT, L. F.
Fruit in the small garden. Pitman, 1951. pp.vi,162, illus., plans, tables. 10s. 6d. *Gardening for all.* *(A) 62*

SHEWELL-COOPER, W. E.
Modern market gardening for profit. Benn, 1951. pp.335, illus., tables. 12s. 6d. *(A) 63*

INDUSTRIAL ORGANIZATION

ALLEN, G. C.
British industries and their organization. 3rd ed. L.G., 1951. pp.x,289, tables, bibliog. 17s. 6d. 'Previous ed. 1935.' *(B) 64*

DOUGAN, D. L.
Book-keeping and accounts for elementary and intermediate students. Sweet & Maxwell, 1951. pp.v,530, tables. 30s. *(B) 65*

FEDERATION OF BRITISH INDUSTRIES
F.B.I. register of British manufacturers, 1951–52. 24th ed. Kelly's Directories and Iliffe (for F.B.I.), 1951. pp.882, illus. 42s. 'Previous ed. 1950.' *(D) 66*

INSTITUTE OF COST AND WORKS ACCOUNTANTS *and* **INSTITUTION OF PRODUCTION ENGINEERS. Joint Committee**
Measurement of productivity, applications and limitations. Gee, 1951. pp.23, tables. 2s. *(B) 67*

COMMUNICATIONS

TERROU, F., *and* **SOLAL, L.**
Legislation for press, film and radio: comparative study of the main types of regulations governing the information media. Paris, United Nations Educational, Scientific and Cultural Organization; London, H.M.S.O., 1951. pp.420, bibliog. 12s. 6d. *Press, film and radio in the world today, series of studies published by UNESCO.* *(B) 68*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
Press, film and radio, iv, 1950. Paris, UNESCO; London, H.M.S.O., 1951. pp.605, maps, tables. 19s. 6d. *Reports on the facilities of mass communication.* *(B) 69*

TRANSPORT

GILBERT, F.
Transport staff relations: machinery of negotiation, joint consultation, training and education. Foreword by J. Benstead. Pitman, 1951. pp.xii,260, tables, 20s. *(B) 70*

CHEMICAL TECHNOLOGY

ROCHOW, E. G.
Introduction to the chemistry of silicones. 2nd ed. New York, Wiley, 1951. pp.xiv,213, illus. $5. 'Previous ed. 1946.' *(C) 71*

FOOD TECHNOLOGY

McGINNIS, R. A.
Beet sugar technology. New York, Reinhold; [London, C. & H.], 1951. pp.xvi,574, illus. (incl. ports.), tables, diagrs., bibliog. $10 or 80s. *(C) 72*

PETROLEUM

HAGER, D.
Practical oil geology. 6th ed. New York, McG.-H., 1951. pp.xxi,589, illus., maps. $7.50 'Previous ed. 1938.' *(C) 73*

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MORRELL, R. S.
Synthetic resins and allied plastics. 3rd ed. by H. M. Langton. O.U.P., 1951. pp.xvii,747, illus., tables, diagrs. 50s. 'Previous ed. 1943.' *(C) 74*

Plastics progress
Plastics progress: papers and discussions at the British Plastics Convention, 1951. Ed. by P. Morgan. Iliffe (for British Plastics), 1951. pp.viii,310, illus., tables, diagrs. 50s. *(C) 75*

REDFARN, C. A.
A guide to plastics. Iliffe (for British Plastics), 1951. pp.112, illus., tables, diagrs., bibliog. 7s. 6d. *(A) 76*

METALLURGY

GREAT BRITAIN. Ministry of Supply
Powder metallurgy. H.M.S.O. (for Technical Information and Documents Unit of the Board of Trade), 1951. pp.[4],155, illus., plates, tables, diagrs., bibliog. 18s. *Selected Government research reports, v. 9.* *(C) 77*

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Electrolytic polishing and bright plating of metals. 2nd ed. Redman, 1951. pp.xv,243, illus., tables, diagrs., bibliog. 30s. 'Previous ed. 1948.' *(B) 78*

MANUFACTURES

TEXTILES

GARNER, W.
Textile laboratory manual. 2nd ed. National Trade Press, 1951. pp.x,574, illus., tables, diagrs. 30s. 'Previous ed. 1949, the chapter on detergents and wetting agents is almost doubled in length.' *(B) 79*

RUBBER

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BUILDING

ELGAR, W. H.
Foundations, for houses and other small structures. Architectural Press, 1951. pp.92, tables, diagrs., bibliog. 12s. 6d. *(B) 81*

UNITED NATIONS. Economic Commission for Europe
Directory of building research and development organizations. Geneva, United Nations, 1951. pp.111. 5s. *U.N. series: Organizations concerned with building, houses and town and country planning.* *(A) 82*

TOWN AND COUNTRY PLANNING

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PHOTOGRAPHY

ERITH, J., *ed.*
Modern control in photography. Fountain Press, 1951. pp.213, illus., photos., diagrs. 27s. 6d. *(B) 83*

PEARLMAN, A.
Pearlman on print quality. Fountain Press, 1951. pp.116, illus., photos., diagrs. 12s. 6d. *(B) 84*

REYNER, J. H.
Cine-photography for amateurs. 4th ed. C. & H., 1951. pp.viii,167, illus., plates, diagrs. 22s. 6d. 'Previous ed. 1939.' *(A) 85*

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FEBRUARY 1952
Nos. 86-169

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

ASLIB BOOK-LIST

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GENERAL SCIENCE

PARÉ, A.
The apologie and treatise of Ambroise Paré; containing the voyages made into divers places with many of his writings upon surgery. Ed. and intro. by G. Keynes. Falcon Press, 1951. pp.xxii,227, front., illus., bibliog. 15s. *The classics of science, eds. A. C. Crombie and D. McKie.* *(B) 86*

SCIENTIFIC RESEARCH

WILLIAMS, C. B., *and* **STEVENSON, A. H.**
A research manual for college studies and papers. Rev. ed. by C. B. Williams. New York, Harper & Brothers; [London, Hamish Hamilton], 1951. pp.xii,194, illus., diagrs. $2 or 14s. 'Previous ed. 1940.' *(B) 87*

BIBLIOGRAPHY

BARON, G. A.
A bibliographical guide to the English educational system. Athlone Press, 1951. pp.70, bibliog. 7s. 6d. *(D) 88*

LIBRARIANSHIP

ROBERTS, A. D.
Introduction to reference books. 2nd ed. Library Association, 1951. pp.ix,214. 15s. (10s. 6d. to members). 'Previous ed. 1948.' *(B) 89*

SOCIAL SCIENCES

COLLINS, ***Sir*** **C.**
Public administration in Ceylon. New York, London, Royal Institute of International Affairs; Toronto, O.U.P., 1951. pp.viii,162, tables, bibliog. or 15s. *(C) 90*

FORD, P., *and* **FORD, G.**
Breviate of Parliamentary papers, 1917–1939. Oxford, Blackwell, 1951. pp.xlviii,571. 52s. 6d. *(C) 91*

REEVE, W. D.
Public administration in Siam. New York, London, Royal Institute of International Affairs; Toronto, O.U.P., 1951. pp.vi,93, tables. or 8s. 6d. *(C) 92*

STATISTICS

BUROS, O. K., *ed.*
Statistical methodology reviews, 1941–1950. New York, Wiley; London, C. & H., 1951. pp.x,457. $7 or 56s. *(C) 93*

ECONOMICS

FERGUSON, T., *and* CUNNISON, J.
The young wage earner; a study of Glasgow boys. O.U.P. (for the Nuffield Foundation), 1951. pp.x,194, tables. 8s. 6d. *(B) 94*

[See also *145*]

EDUCATION

ALLEN, A. H., *and* DEALTRY, L. P., *eds.*
The preparatory schoolboy and his education, by a representative group of headmasters, and based on talks given by them at an Oxford conference with representatives of the Ministry of Education. Evans Bros. (for Incorporated Association of Preparatory Schools), 1951. pp.xii,81, front., plates. 9s. 6d. *(B) 95*

BUCHANAN, A.
The film in education. Intro. by J. A. Harrison. Phoenix House, 1951. pp.256, front., plates, tables, bibliog. 25s. *(B) 96*

DOBINSON, C. H.
Technical education for adolescents; some thoughts on present problems. Harrap, 1951. pp.123, tables. 7s. 6d. *(B) 97*

Education authorities directory and annual
Education authorities directory and annual, 1951/2. School Government Publishing Co., Ltd., [1951]. pp.lxxx,431. 22s. *(D) 98*

HANS, N.
New trends in education in the eighteenth century. Routledge and Kegan Paul, 1951. pp.261, tables. 18s. *International library of sociology and social reconstruction, ed. by W. J. H. Sprott.* *(B) 99*

HEGINBOTHAM, H.
The Youth Employment Service. Methuen, 1951. pp.x,222. 8s. 6d. *(B) 100*

[See also *88*]

MATHEMATICS

BURKILL, J. C.
The Lebesgue integral. C.U.P., 1951. pp.viii,37, diagrs. 12s. 6d. *Cambridge tracts in mathematics and mathematical physics, ed. W. V. D. Hodge, no. 40.* *(C) 101*

HAMBURGER, H. L., *and* GRIMSHAW, M. E.
Linear transformations in *n*-dimensional vector space: an introduction to theory of Hilbert space. C.U.P., 1951. pp.[1],195, tables. 25s. *(C) 102*

HERLAND, L.
Dictionary of mathematical sciences. Vol. 1. German-English. Hafner, 1951. pp.[2],235. 24s. *(D) 103*

ASTRONOMY

JONES, *Sir* H. S.
General astronomy. 3rd ed. Edward Arnold, 1951. pp.x,456, front., plates, tables, diagrs. 30s. 'Previous ed. 1934.' *(B) 104*

PHYSICS

BURHOP, E. H. S., *and* HASTED, J.
The challenge of atomic energy. Lawrence and Wishart, 1951. pp.x,137, tables. 6s. 6d. *(A) 105*

LONDON CONFERENCE ON OPTICAL INSTRUMENTS

Proceedings of the London Conference on Optical Instruments, 1950. C. & H. (for the Organizing Committee of the Conference), 1951. pp.xv,264, plates, tables, diagrs. 42s. (*C*) *106*

RUTHERFORD, D. E.

Classical mechanics. Edinburgh and London, O. & B., 1951. pp.viii,200, tables. 10s. 6d. *University mathematical texts, ed. by A. Aitken and D. E. Rutherford.* (*B*) *107*

[See also *169*]

CHEMISTRY

FRIEND, J. N.

Man and the chemical elements: from the Stone Age hearth to the cyclotron. Griffin, 1951. pp.ix,354, front., plates, tables, diagrs. 27s. 6d. (*A*) *108*

HAGGLUND, E.

Chemistry of wood. Tr. by P. Oesper. New York, Academic Press, 1951. pp.x,631, illus. $13.50. (*C*) *109*

OLSON, A. R., *and others*

Introductory quantitative analysis. San Francisco, W. H. Freeman, 1948; London, Bailey Bros. and Swinfen, 1951. pp.ix,299, tables, diagrs. $3.25 or 27s. 6d. *A series of chemistry texts, ed. by L. Pauling.* (*B*) *110*

PARTINGTON, J. R.

General and inorganic chemistry for university students. 2nd ed. Macmillan, 1951. pp.xxiii,925, illus., tables, diagrs., bibliog. 40s. 'Previous ed. 1946.' (*C*) *111*

PAULING, L.

General chemistry: an introduction to descriptive chemistry and modern chemical theory. San Francisco, W. H. Freeman, 1949; London, Bailey Bros. and Swinfen, 1951. pp.xi,618, illus., tables, diagrs., bibliog. $4.25 or 35s. *A series of chemistry texts, ed. by L. Pauling.* (*B*) *112*

REY, J.

The essays of Jean Rey; a facsimile reprint of the original edition of 1630. Intro. by D. McKie. Edward Arnold, 1951. Front., diagrs. 21s. Pagination various. (*C*) *113*

MINERALOGY

KRAUS, E. H., *and others*

Mineralogy: an introduction to the study of minerals and crystals. 4th ed. New York, McG.-H., 1951. pp.664. $7.50. 'Previous ed. 1936.' (*B*) *114*

GEOLOGY

ANDERSON, E. M.

Dynamics of faulting and dyke formation with applications to Britain. 2nd revised ed. Edinburgh and London, O. & B., 1951. pp.x,206, maps, diagrs. 22s. 6d. 'Previous ed. 1942.' (*B*) *115*

METEOROLOGY

CURRY, M.

Cloud, wind and water. Country Life, 1951. pp.18, plates, diagrs. 30s. (*A*) *116*

BIOLOGY

DOYLE, W. L., *and others*

Symposium on cytology. Ed. by H. G. Wilson. East Lansing, Michigan, Michigan State College Press, 1951. pp.viii,69. $2. *(C) 117*

SHERRINGTON, *Sir* C.

Man on his nature; the Gifford lectures, Edinburgh 1937–38. 2nd ed. C.U.P., 1951. pp.[8],300, front. (port.), illus., plates 30s. 'Previous ed. 1940.' *(A) 118*

BOTANY

EDWARDS, D. C., *and* **BOGDAN, A. V.**

Important grassland plants of Kenya. Nairobi, London, Pitman, 1951. pp.xi,124, front., plates, map, tables, diagrs. 20s. *(B) 119*

VAVILOV, N. I.

The origin, variation, immunity and breeding of cultivated plants, selected writings. Tr. by K. S. Chester. Waltham, Massachusetts, Chronica Botanica, 1951. pp.xvii,364, illus., maps. $7.50. *Chronica Botanica, v. 13, nos. 1–6.* *(C) 120*

[See also *143*]

ZOOLOGY

ANTRAM, C. B.

The collecting and preservation of butterflies and moths; with practical hints for collecting in the field. Lymington, Hants, C. T. King, 1951. pp.107, illus., plates, tables, diagrs. 10s. 6d. *(A) 121*

FRISCH, K. von

Bees; their vision, chemical senses and language. [Tr. from the German.] Ithaca, New York, Cornell University Press; London, O.U.P., 1950 [1951]. pp.xiv,119, illus., diagrs., bibliog. $3 or 18s. *(B) 122*

PUBLIC HEALTH

GREAT BRITAIN. Ministry of Labour and National Service. Factory Department

The health of welders. By A. T. Doig and L. N. Duguid. H.M.S.O., 1951. pp.84, plates, tables, bibliog. 3s. *(B) 123*

ENGINEERING

ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY

Saving scarce materials: report of a specialist team which visited the United States of America in June and July, 1951. The Council, 1951. pp.iv,28, tables. 2s. *(B) 124*

FIRST CONFERENCE ON COASTAL ENGINEERING

Proceedings of the first conference on coastal engineering, Long Beach, California, October 1950. Ed. by J. W. Johnson. Conference sponsored by the Departments of Engineering and the Division of Engineering Extension, University of California. Berkley, California, the Engineering Foundation, Council on Wave Research, 1951. pp.xii,334, plates, illus., maps, diagrs. $4.50. *(C) 125*

OLSEN, G.

Strength of materials. A. & U., 1951. pp.vi,442, front., tables, diagrs. 32s. 6d. *(B) 126*

SPELLER, F. N.

Corrosion, causes and prevention. 3rd ed. New York and London, McG.-H., 1951. pp.xiii,686, illus., tables, diagrs. $10 or 85s. 'Previous ed. 1935.' *(C) 127*

[See also *123*]

ELECTRICAL

INSTITUTION OF ELECTRICAL ENGINEERS

Abridged wiring regulations, based on the 12th ed., 1950. The Institution, 1951. pp.iv,83, tables. 2s. 6d. *(D) 128*

SPREADBURY, F. G.

Fractional h.p. electric motors; their principles, characteristics and design. Pitman, 1951. pp.ix,342, illus., tables, diagrs., bibliog. 35s. *(B) 129*

ELECTRICAL COMMUNICATIONS

SCROGGIE, M. G.

Foundations of wireless. 5th ed. Iliffe (for Wireless World), 1951. pp.328, illus., tables, diagrs. 12s. 6d. 'Previous ed. 1944.' *(B) 130*

SLUCKIN, W.

Principles of alternating currents. Cleaver-Hume, 1951. pp.320, front., illus., tables, diagrs. 10s. 6d. *Cleaver-Hume electrical series, ed. by H. Cotton, no. 3.* *(B) 131*

SONNENBERG, G. J.

Radar and electronic navigation. Newnes, 1951. pp.272, illus., diagrs. 31s. 6d. *(B) 132*

INTERNAL CUMBUSTION

GREENLY, H.

Model steam locomotives. [New ed.] revised by E. A. Steel. Cassell [1951]. pp.xi,320, front., illus., plates, diagrs. 15s. 'Previous ed. 1922.' *(B) 133*

MARINE

VERNEY, M.

Practical conversions and yacht repairs. Murray, 1951. pp.xii,280, illus., diagrs., bibliog. 12s. 6d. *(A) 134*

CIVIL

ALLIN, R. V.

The resistance of piles to penetration, with tables of approximate values based on the Hiley formula. 2nd ed. Spon, 1951. pp.xi,126, tables, diagrs. 21s. 'Previous ed. 1935.' *(C) 135*

HYDRAULIC

HOUK, I. E.

Irrigation engineering. Vol. 1. Agricultural and hydrological phases. New York, Wiley; London, C. & H., 1951. pp.x,545, illus., maps, tables, diagrs., bibliog. $9 or 72s. *(C) 136*

AERONAUTICAL

KERMODE, A. C.

Flight without formulae: how and why an aeroplane flies explained in simple language. 2nd ed. Pitman, 1951. pp.xvi,254, front., plates, diagrs. 18s. 'Previous ed. 1940.' *(A) 137*

AGRICULTURE

GRIFFITHS, M., *and others*

Reclaiming land for agriculture. Crosby Lockwood, 1951. pp.119, plates, illus., tables, diagrs. 12s. 6d. *Agricultural and horticultural series, ed. by H. C. Long.* *(B) 138*

HOSIER, A. J., *and* **HOSIER, F. H.**

Hosier's farming system. Crosby Lockwood, 1951. pp.[12],244, front., plates, tables, diagrs. 21s. *Agricultural and horticultural series, ed. by H. C. Long.* *(A) 139*

[See also *136, 155*]

MACHINERY

Farm mechanization directory

Farm mechanization directory, 1952. 2nd ed. Temple Press, 1951. pp.xi,504, illus., tables. 6s. 'Previous ed. January 1951.' *(D) 140*

SOILS

MILLAR, C. E., *and* **TURK, L. M.**

Fundamentals of soil science. 2nd ed. New York, Wiley; London, C. & H., 1951. pp.x,510, illus. (some col.), tables. $5.50 or 44s. 'Previous ed. 1943.' *(C) 141*

FORESTRY

TAYLOR, *Sir* **W. L.**

Estate forestry. Crosby Lockwood, 1951. pp.xi,200, plates, illus. 15s. *Agricultural and horticultural series.* *(B) 142*

HORTICULTURE

CROSS, J. E.

The book of the geranium. Saturn Press, 1951. pp.184, col. front., plates, tables. 18s. *(A) 143*

LIVESTOCK

BLOUNT, W. P.

Hen batteries. Baillière, Tindall and Cox, 1951. pp.viii,259, illus., tables, diagrs. 15s. *(A) 144*

GARRIGUS, W. P.

Introductory animal science. Ed. by R. W. Gregory. Chicago [and London], Lippincott, 1951. pp.viii,503, illus., maps, tables, diagrs. $5.50 or 45s. *(B) 145*

PRINTING

AVIS, F. C.

A primary course in printers' costing. The author, 26, Gordonbrock Road, London, S.E.4, 1951. pp.112, tables. 15s. *(B) 146*

Bookman's glossary

Bookman's glossary. 3rd ed. New York, Bowker, 1951. pp.viii,198. $2.50. 'Previous ed. 1931.' *(D) 147*

DAVIS, A.

Type in advertising. Leicester, Raithby, Lawrence, 1951. pp.80, illus. (some col.), bibliog. 15s. *(B) 148*

INDUSTRIAL ORGANIZATION

ACTON SOCIETY TRUST

Training and promotion in nationalized industry. A. & U. and Acton Society Trust, 1951. pp.138. 10s. 6d. (*A*) *149*

ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY

Training of operatives: report of one of four specialist teams which visited the United States of America in 1951 to study problems of training for industry. The Council, 1951. pp.xii,52, illus., diagrs. 3s. (*B*) *150*

CAVES, W. T.

Wholesale textile distribution. Eastbourne, Mirror Printing Co., 1951. pp.xi,172, illus., tables, diagrs. 12s. 6d. (*B*) *151*

HOLMSTROM, J. E.

Facts, files and action in business. Part 1: Sources and backgrounds of facts. C. & H., 1951. pp.xvi,449, bibliog. 36s. (*B*) *152*

JURAN, J. M., *ed.*

Quality control handbook. New York and London, McG.-H., 1951. pp.viii,800, illus., plans, tables, diagrs. $10 or 85s. (*C*) *153*

TRANSPORT

POPKESS, A.

Traffic control and road accident prevention. C. & H., 1951. pp.x,276, illus., tables, diagrs. 37s. 6d. (*B*) *154*

CHEMICAL TECHNOLOGY

BROWN, A. W. A.

Insect control by chemicals. New York, Wiley; London, C. & H., pp.[7],817. $12.50 or 100s. (*C*) *155*

DISERENS, L.

The chemical technology of dyeing and printing. Vol. 2. Substantive, basic, acid and pigment colors, aniline black and dyestuffs for acetate rayon and synthetic fibres. Tr. and revised from the second German ed. by P. Wengraf and H. P. Braumann. New York, Reinhold; London, C. & H., 1951. pp.xii,446, tables, diagrs. $13.50 or 96s. (*C*) *156*

[See also *108*]

CERAMICS

JOHN, W. D., *and* **BAKER, W.**

Old English lustre pottery. Newport, Monmouthshire, Johns, 1951. pp.xx,132, col. front., plates (some col.), bibliog. 126s. (*A*) *157*

RACKHAM, B.

Early Staffordshire pottery. Faber, 1951. pp.xvi,46, col. front., plates (some col.), bibliog. 25s. *Faber monographs on pottery and porcelain, ed. by W. B. Honey.* (*B*) *158*

METALLURGY

ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY

Metal finishing: report of a visit to the United States of America in 1950 of a specialist team representing the British Metal Finishing Industry. The Council, 1951. pp.ix,75, plates, map, tables, diagrs. 3s. 6d. (*C*) *159*

BENBOW, W. E., *ed.*

Steels in modern industry; a comprehensive survey by 29 specialist contributors. Iliffe (for Iron and Steel), 1951. pp.viii,562, illus., tables, diagrs., bibliog. 42s. (*C*) *160*

MANUFACTURES

EASTWOOD, T.

Industry in the country towns of Norfolk and Suffolk; being the report of a survey carried out in 1946–47, under the directorship of A. W. M. Kitchin. O.U.P., 1951. pp.63, front., maps, tables, diagrs. 6s. (*B*) *161*

WOOD

[See *109*]

PAPER

NORRIS, F. N.

Paper and paper making. O.U.P., 1952. pp.xiv,353, illus., tables, diagrs. 30s. (*B*) *162*

TEXTILES

TEXTILE INSTITUTE

Yearbook of the Textile Institute and library catalogue, no. 4, 1951–52. Manchester, Textile Institute [1951]. Tables. 15s. Pagination various. (*D*) *163*

TURNBULL, G.

A history of the calico printing industry of Great Britain. Ed. by J. G. Turnbull. Altrincham, Sherratt, 1951. pp.xv,501, plates, tables, bibliog. 42s. (*B*) *164*

Wool production and trade

Wool production and trade, 1950–51; a supplement to Wool intelligence, prepared in the Intelligence Branch of the Commonwealth Economic Committee. H.M.S.O., 1951. pp.82, tables, diagrs. 5s. (*B*) *165*

Wool year book

Wool year book, 1951. Manchester, Textile Mercury, 1951. pp.616, illus., tables, diagrs. 12s. 6d. *Textile Mercury annuals.* (*D*) *166*

[See also *151*, *156*]

BUILDING

CROSSLEY, F. H.

Timber building in England from early times to the end of the seventeenth century. Batsford, 1951. pp.vii,168, front., illus., plates, diagrs., bibliog. 30s. *British art and building.* (*A*) *167*

PHOTOGRAPHY

CORNWELL-CLYNE, A.

Colour cinematography. 3rd ed. C. & H., 1951. pp.xvi,780, front., illus., plates (some col.), tables, diagrs. 84s. 'Previous ed. 1939.' (*C*) *168*

KINGSLAKE, R.

Lenses in photography: a practical guide to optics for photographers. New York, Garden City Books, 1951. pp.246. $2.95. (*B*) *169*

Erratum. Vol. 16, number 12, item 973, page 101, the author of Coloured glasses should be W. A. Weyl.

PUBLISHERS

The following abbreviations are used in the *Aslib Book-List.*

A. & U. : Allen & Unwin
C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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SCIENTIFIC AND TECHNICAL BOOKS

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CALCUTTA UNIVERSITY CENTRAL LIBRARY

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

ASLIB BOOK-LIST

Volume 17 *Number 3* *March 1952*

GENERAL SCIENCE

Hutchinson's pocket technical encyclopaedia
Hutchinson's pocket technical encyclopaedia. Comp. by L. E. C. Hughes and J. P. Bremner. Hutchinson, 1952. pp.182. 7s. 6d. *(D) 170*

BIBLIOGRAPHIES

LIBRARY ASSOCIATION
The subject index to periodicals, 1950. Ed. by T. R. Powell. The Association, 1951. pp.xi,658. 105s. *(D) 171*

PEARL, R. M.
Guide to geologic literature. New York, McG.-H., 1951. pp.xi, 239, tables. $3.75. *(D) 172*

SOUTH AFRICAN PUBLIC LIBRARY. Cape Town
Handlist of South African periodicals current in December 1951. Comp. by C. D. Saul. Cape Town, the Library, 1951. pp.54. 3s. 6d. *Grey bibliographies no. 5.* *(D) 173*

UNITED STATES. Library of Congress. Reference Department
The Arabian Peninsula; a selected, annotated list of periodicals, books, and articles in English. Prepared under the direction of the Near East Section, Division of Orientalia. Washington, the Library, 1951. pp.xi,111. 80c. Mimeographed. *(D) 174*

UNITED STATES. Library of Congress. General Reference and Bibliography Division
Iran; a selected and annotated bibliography. Comp. by H. F. Farman. Washington, the Library, 1951. pp.ix,100. 70c. *(D) 175*

UNITED STATES. Library of Congress. Reference Department
Manchuria; an annotated bibliography. Comp. by P. A. Berton. Washington, [the Library], 1951. pp.xii,187, map. $1.30. *(D) 176*

UNITED STATES. Library of Congress. Reference Department
Serial publications of the Soviet Union, 1939–51; a preliminary checklist. Comp. by R. Smits. Washington, U.S. Government Printing Office, 1951. pp.ix,316. $1.50. *Special supplement to monthly list of Russian accessions.* *(D) 177*

LIBRARIANSHIP

DOWNS, R. B.
American library resources; a bibliographical guide, sponsored by the American Library Association Board, on Resources of American Libraries. Chicago, American Library Association, 1951. pp.[12],428. $7. *(B) 178*

LIBRARY ASSOCIATION. London and Home Counties Branch
The London union list of periodicals: holdings of the municipal and county libraries of Greater London. Ed. by K. A. Mallaber and P. M. de Paris. The Branch, 1951. pp.216. 20s. *(D) 179*

MARKLEY, A. E.
Library records for government publications. Berkeley and Los Angeles, University of California Press; London, C.U.P., 1951. pp.vii,66, diagrs. $1.25 or 9s. 6d. *(B) 180*

RANGANATHAN, S. R.
Philosophy of library classification. Copenhagen, Ejnar Munksgaard (for Copenhagen University Library, Scientific and Medical Department), 1951. pp.133. 20 Kr. *Library research monographs, v. 2.* *(C) 181*

PSYCHOLOGY

FREUD, S.
On dreams. An entirely new translation by J. Strachey. Hogarth Press and the Institute of Psycho-Analysis, 1952. pp.viii 80. 9s. 6d. *The international psycho-analytic library, ed. by E. Jones, no. 42.* *(B) 182*

FURLONG, E. J.
A study in memory; a philosophical essay. Nelson, 1951. pp.ix,109. 12s. 6d. *(B) 183*

[See also *187*]

SOCIAL SCIENCES

FREDERICKSEN, H.
The child and his welfare. San Francisco, W. H. Freeman, 1948; London, Bailey Bros. and Swinfen, 1951. pp.viii,318, bibliog. $3.75 or 32s. *(B) 184*

[See also *190*]

ECONOMICS

HENDERSON, R. F.
The new issue market and the finance of industry. Cambridge, Massachusetts, Harvard University Press; Cambridge, Bowes and Bowes, 1951. pp.172, tables. or 25s. *(C) 185*

RICARDO, D.
The works and correspondence of David Ricardo. Ed. by P. Sraffa with the collaboration of M. H. Dobb. Vols. 3 and 4. C.U.P. (for the Royal Economic Society), 1951. facsims, tables. 24s. each v. *(C) 186*

[See also *227, 238*]

EDUCATION

AMERICAN ASSOCIATION FOR GIFTED CHILDREN
The gifted child. Ed. by P. Witty. Boston, U.S.A., Heath; London, Harrap, 1951. pp.xii,338, bibliog. $4 or 22s. 6d. *(B) 187*

ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY
Universities and industry; report of a specialist team which visited the United States of America in 1951. The Council, 1951. pp.29, plates, tables. 2s. 6d. *(B) 188*

HUGHES, A. G.
Education and the democratic ideal; nine talks to teachers. L.G., 1951. pp.xi,138, tables, bibliog. 10s. 6d. *(B) 189*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
Learn and live: a way out of ignorance for 1,200,000,000 people. Paris, UNESCO; London, H.M.S.O., 1952. pp.32, illus. 1s. *(A) 190*

[See also *228*]

MATHEMATICS

GOODSTEIN, R. L.
Constructive formalism: essays on the foundations of mathematics. Leicester, University College, 1951. pp.91. bibliog. 15s. *(B) 191*

HOGBEN, L.
Mathematics for the million; a popular self educator. 3rd ed. revised with two new chapters. A. & U., 1951. pp.695, front., illus., tables, diagrs. 20s. *Primers for the age of plenty series, no. 1.* 'Previous ed. 1937.' *(A) 192*

NEWMAN, M. H. A.
Elements of the topology of plane sets of points. 2nd ed. C.U.P., 1951. pp.[10],214, diagrs. 27s. 6d. 'Previous ed. 1939.' *(C) 193*

RUTHERFORD, D. E.
Vector methods applied to differential geometry, mechanics, and potential theory. 7th ed. Edinburgh and London, O. & B., 1951. pp.viii,135, tables, diagrs., bibliog. 6s. *University mathematical texts, eds. A. C. Aitken and D. E. Rutherford.* 'Previous ed. 1949.' *(B) 194*

[See also *200*]

ASTRONOMY

TANCOCK, E. O.
Starting astronomy. George Philip, 1951. pp.122, plates, illus., tables, diagrs. 9s. *(A) 195*

NAVIGATION

LUARD, L.
The little ship navigator. Huntingdonshire, Imray, Laurie, Norie and Wilson, 1952. pp.[8],234, fronts., illus., maps, tables, diagrs. 21s. *(B) 196*

PHYSICS

HERCUS, E. O.
Elements of thermodynamics and statistical mechanics. Carlton, Victoria, Melbourne University Press; London, C.U.P., 1950 [1951]. pp.ix,163, tables, diagrs. 21s. *(B) 197*

INSTITUTE OF PHYSICS
Memorandum on gamma-ray sources for radiography. Prepared by a committee of the Industrial Radiology Group. Institute of Physics, 1952. pp.23, tables, diagrs., bibliog. 3s. 6d. *(B) 198*

JACKSON, F. J.
Aids to physics. Vol. 2. Static electricity, magnetism, current electricity and light. Bailliere, Tindall & Cox, 1951. pp.viii,266, diagrs. 6s. *(B) 199*

PRAGER, W., *and* **HODGE, P. G.**
Theory of perfectly plastic solids. New York, Wiley; London, C. & H., 1951. pp.x,264, tables, diagrs., bibliog. $5.50 or 44s. *Applied mathematics series, ed. by I. S. Sokolnikoff.* *(B) 200*

SAWYER, R. A.
Experimental spectroscopy. 2nd ed. C. & H., 1951. pp.x,358, illus., tables, diagrs., bibliog. 30s. 'Previous ed. 1944.' *(B) 201*

THRING, M. W.
Science of flames and furnaces. C. & H., 1952. pp.xiv,416, illus., tables, diagrs. 42s. *(B) 202*

[See also *203, 205*]

CHEMISTRY

BUTLER, J. A. V., *ed.*
Electrical phenomena at interfaces, in chemistry, physics and biology. Methuen, 1951. pp.vii,309, tables, diagrs. 32s. 6d. *(C) 203*

CONFERENCE ON PHASE TRANSFORMATIONS IN SOLIDS

Conference on phase transformations in solids: a symposium held at Cornell University, August 23–26th, 1948. Editorial committee R. Smoluchowski and others, sponsored by the Committee on Solids, Division of Physical Sciences, the National Research Council. New York, Wiley; London, C. & H., 1951. pp.x,660, illus., tables, diagrs., bibliog. $9.50 or 76s. *(C) 204*

KATZ, J. J., *and* **RABINOWITCH, E.**

The chemistry of uranium. Part 1. The element, its binary and related compounds. New York and London, McG.-H., 1951. pp.xxi,609. $7.25 or 62s. *National nuclear energy series, Manhattan project technical section. Division 8, Manhattan project, v. 5.* *(C) 205*

McGOWAN, H. D.

One hundred years of chemistry, by the Lord McGowan; seventh Dalton lecture. Royal Institute of Chemistry, [1951]. pp.16. 3s. *Royal Institute of Chemistry lectures, monographs and reports, 1951, no. 3.* *(A) 206*

MINERALOGY

BATEMAN, A. M.

The formation of mineral deposits. New York, Wiley; London, C. & H., 1951. pp.xi,371, front., illus., tables, diagrs. bibliog. $5.50 or 44s. *(B) 207*

GEOLOGY

GILLULY, J., *and others*

Principles of geology. San Francisco, W. H. Freeman; London, Bailey Bros. and Swinfen, 1951. pp.viii,631, illus., maps, tables, diagrs. $5.75 or 49s. *(B) 208*

KRUMBEIN, W. C., *and* **SLOSS, L. L.**

Statigraphy and sedimentation. San Francisco, W. H. Freeman; London, Bailey Bros. and Swinfen, 1951. pp.ix,497, illus., maps, tables, diagrs., bibliog. $5 or 42s. 6d. *(B) 209*

[See also *172*]

METEOROLOGY

[See *225*]

BIOLOGY

[See *203*]

ZOOLOGY

MATTHEWS, L. H.

Wandering albatross: adventures among albatrosses and petrels in the Southern Ocean. MacGibbon & Kee; Reinhardt & Evans, 1951. pp.x,134, front., illus., plates, map. 15s. *(A) 210*

ROE, F. G.

The North American buffalo; a critical study of the species in its wild state. Toronto, University of Toronto Press; London, O.U.P., 1951. pp.viii,957, front., bibliog. $12 or 90s. *(C) 211*

TEGNER, H.

The roe deer; their habits, history and pursuit. Batchworth Press, 1951. pp.176, front., illus., plates, diagrs., bibliog. 42s. *(B) 212*

WATT, G.

The Farne Islands; their history and wild life. Country Life, 1951. pp.236, front., plates, maps, plan, bibliog. 30s. *(A) 213*

ENGINEERING

Practical engineer pocket book
Practical engineer pocket book; with technical dictionaries in German, French and Spanish. Ed. by N. P. W. Moore. Pitman, 1952. pp.xliv,744, illus., tables, diagrs. 12s. 6d. *(D) 214*

MECHANICAL

Every man his own mechanic
Every man his own mechanic: a complete up-to-date guide for the amateur to household decorations, renovations, wood and electrical work, etc. New ed. re-written and revised by J. Barnard. Ward, Lock, 1951. pp.544, illus., plates, tables, diagrs. 17s. 6d. *(A) 215*

ELECTRICAL

LACKEY, C. H. W.
Fault calculations: the calculation of currents and voltages resulting from faults in electrical power-systems. Edinburgh and London, Oliver & Boyd, 1951. pp.xi,296, illus., tables, diagrs., bibliog. 30s. *(B) 216*

REYNER, J. H.
Cathode-ray oscillographs. 4th ed. Pitman, 1951. pp.xi,199, front., illus., diagrs. 15s. 'Previous ed. 1947.' *(B) 217*

RYDER, R. W.
Earthing principles and practice. Pitman, 1952. pp.xi,108, plates, tables, diagrs., bibliog. 15s. *(B) 218*

STEVENS, W. R.
Principles of lighting. Constable, 1951. pp.x,482, front., illus., tables, diagrs., bibliog. 35s. *(B) 219*

[See also *215*]

HYDRAULIC

BEACHAM, T. E.
Pipe resistance for hydraulic, lubricating, and fuel oils, and other non-aqueous liquids. Spon, 1951. pp.61, tables, diagrs. 18s. *(B) 220*

DAVIS, *Sir* R. H.
Deep diving and submarine operations: a manual for deep sea divers and compressed air workers. Parts 1 and 2. 5th ed. St. Catherine Press, 1951. pp.xiv,676, illus., col. map, facsims., tables, diagrs., bibliog. 35s. 'Previous ed. 1939.' *(C) 221*

CIVIL

HARRISON, J. L.
Forest engineering; roads and bridges. Edinburgh and London, Oliver and Boyd, 1951. pp.xvi,366, plates, illus., tables, diagrs. 30s. *(B) 222*

PROBST, E. H., *and* COMRIE, J., *eds.*
Civil engineering reference book. Butterworths Scientific Publications, 1951. pp.xii,1703, tables, diagrs., bibliog. 147s. *(D) 223*

STEWART, D. A.
The design and placing of high quality concrete. Spon, 1951. pp.xv,112, plates, tables, diagrs. 25s. *Civil engineering series, ed. by W. F. Cassie.* *(B) 224*

[See also *250*]

AERONAUTICAL

GREAT BRITAIN. Meteorological Office
Ice accretion on aircraft. H.M.S.O., 1951. pp.[3],36, plates, maps, tables, diagrs., bibliog. 1s. 9d. *Meteorological reports, no. 9.* *(B) 225*

AUTOMOBILE

CUNNINGHAM, H. M., *and* **SHERMAN, W. F.**
Production of motor vehicles; managerial techniques in planning, scheduling, and manufacturing. New York, McG.-H., 951. pp.xiv,169, illus. $3.50. *(B) 226*

AGRICULTURE

READING. UNIVERSITY. Department of Agricultural Economics
Some economic aspects of increasing farm output, by C. H. Blagburn. Reading, Department of Agricultural Economics, University of Reading, 1951. pp.36, tables. 5s. *Miscellaneous studies, no. 6.* *(B) 227*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
Inventories of apparatus and materials for teaching science. Vol. 3. Technical colleges, Part 3. Agricultural sciences. Paris, UNESCO; London, H.M.S.O., 1951. pp.139. 14s. *(D) 228*

FERTILIZERS

COWIE, G. A.
Potash; its production and place in crop nutrition. Edward Arnold, 1951. pp.x,172, plates, illus., tables, bibliog. 21s. *(B) 229*

PESTS

FRANKLIN, M. T.
The cyst-forming species of Heterodera. Farnham Royal, Buckinghamshire, Commonwealth Agricultural Bureau, 1951. pp.[6],147, illus., plates, diagrs., bibliog. 18s. 6d. *Commonwealth Bureau of Agricultural Parasitology (Helminthology), technical communications.* *(C) 230*

CROPS

AHLGREN, G. H., *and others*
Principles of weed control. New York, Wiley. pp.vii,368, illus. $5.50 *(B) 231*

RATHER, H. C., *and* **HARRISON, C. M.**
Field crops. 2nd ed. New York and London, McG.-H., 1951 [1952]. pp.ix,446, illus., maps, tables, bibliog. or 47s. *McGraw-Hill publications in the agricultural sciences, ed. by R. A. Brink.* 'Previous ed. 1942.' *(C) 232*

FORESTRY

[See *222*]

HORTICULTURE

UNWIN, C. W. J.
Sweet peas; their history, development, culture. 3rd ed. Cambridge, Heffer, 1952. pp.xi,180, front., plates, diagrs. 7s. 6d. 'Previous ed. 1929.' *(C) 233*

[See also *231*]

LIVESTOCK

MASON, I. L.
The classification of West African livestock. Farnham Royal, Slough, Buckinghamshire, Commonwealth Agricultural Bureau, 1951. pp.vii,39, plates, maps, bibliog. 10s. 6d. *Commonwealth Bureau of Animal Breeding and Genetics, technical communication, no. 7.* *(B) 234*

DAIRYING

ECKLES, C. H., *and others*
Milk and milk products; prepared for the use of agricultural college students. 4th ed. New York, McG.-H., 1951. pp.xiii,454, illus. $5. *McGraw-Hill publications in the agricultural sciences.* 'Previous ed. 1943.' *(B) 235*

PRINTING

TSCHICHOLD, J.
Designing books. New York, Wittenborn, Schultz, Inc., 1951. pp.80, col. plates. $3.75. *(C) 236*

INDUSTRIAL ORGANIZATION

ADLER, M.
A short course in market research. C. E. Fisher, [1951]. pp.71. 5s. *The short course series, no. 2.* *(B) 237*

BEACHAM, A.
Economics of industrial organization. 2nd ed. Pitman, 1951. pp.x,189, tables. 15s. 'Previous ed. 1948.' *(A) 238*

BRITISH STANDARDS INSTITUTION
Sizes and recommended layout of commercial forms. The Institution, 1951. pp.22, diagrs. 3s. *B.S. 1808:1951.* *(B) 239*

FRASER, J. M.
A handbook of employment interviewing. 2nd ed. Macdonald & Evans, 1951. pp.[7],214, tables. 9s. 6d. 'Previous ed. 1950.' *(B) 240*

[See also *226*]

CHEMICAL TECHNOLOGY

CHILEAN IODINE EDUCATIONAL BUREAU, INC.
Iodine; its properties and technical applications. New York, the Bureau, 1951. pp.v,74, bibliog. Free. *(B) 241*

JACKSON, J.
Cooling towers; with special reference to mechanical-draught systems. Butterworth (in association with Imperial Chemical Industries, Ltd.), 1951. pp.xii,104, plates, tables, diagrs. 21s. *(B) 242*

FUEL TECHNOLOGY

SCHMIDT, P. F.
Fuel oil manual: for the oil user who wants to know about fuel oil selection, properties, handling, burning, troubles and remedies, together with working data for building heating, power generation, and industrial processes. New York, Industrial Press. 1951. pp.160, illus. $3.50. *(C) 243*

Reviews of petroleum technology
Reviews of petroleum technology. Vol. 11. (covering 1949). Ed. by F. H. Garner and others. Institute of Petroleum, 1951 [1952]. pp.viii,280, tables, bibliog. 27s. 6d. *(C) 244*

[See also *202*]

METALLURGY

AMERICAN SOCIETY FOR METALS
Interpretation of tests and correlation with service. By M. F. Garwood [and others], a series of four educational lectures presented to members of the Society during the 32nd National Metal Congress and Exposition, October 23–27th, 1950. Cleveland, Ohio, the Society, 1951. pp.198, illus. $5. *(C) 245*

HANSTOCK, R. F.

The non-destructive testing of metals. Institute of Metals, 1951. pp.viii,163, plates, tables, diagrs., bibliog. 21s. *Institute of Metals monograph and report, no. 10.* (*B*) *246*

MANUFACTURES

LEATHER

SOCIETY OF LEATHER TRADES' CHEMISTS

Official methods of analysis. 2nd ed. revised. Craigieburn, Duppas Hill Road, Croydon, the Society, 1951. pp.[7],199 illus., tables, diagrs. 17s. 6d. 'Previous ed. 1938.' (*C*) *247*

TEXTILES

CLIFFORD, A. E.

Textile organization and production. Belfast, Carter Publications Ltd., 1951. pp.vi,93, illus., tables, diagrs., bibliog. 25s. (*A*) *248*

[See also *255*]

RUBBER

RESEARCH ASSOCIATION OF BRITISH RUBBER MANUFACTURERS

Rubber technology: lectures held at the Croydon Summer School of the Research Association of British Rubber Manufacturers, 1951. Eds. R. C. W. Moakes and W. C. Wake. Butterworth, 1951. pp.xiv,199, plates, tables, diagrs., bibliog. 25s. (*C*) *249*

BUILDING

GEDDES, S.

Building and civil engineering plant; its purchase, application and operation. Crosby Lockwood, 1951. pp.x,297, illus., tables, diagrs. 30s. (*B*) *250*

[See also *215*]

ARCHITECTURE

RAMSEY, C. G., *and* SLEEPER, H. R.

Architectural graphic standards for architects, engineers, decorators, builders and draftsmen. 4th ed. New York, Wiley, 1951. pp.xv,614. $10. 'Previous ed. 1941.' (*B*) *251*

PHOTOGRAPHY

EMANUEL, W. D.

Leica guide: how to work the Leica and how to work with the Leica. 23rd ed. Focal Press, 1951. pp.124, plates, tables, diagrs. 6s. 6d. *Camera guide.* 'Previous ed. April 1951.' (*A*) *252*

JACOBSON, C. I.

Developing; the negative technique. 11th ed. New York and London, Focal Press, 1951. pp.312, illus., plates, tables, diagrs. or 15s. 6d. *Manual of photo-technique.* 'Previous ed. 1950.' (*B*) *253*

SEWELL, G. H.

Amateur film-making. 2nd ed. Blackie, 1951. pp.[10],118, plates, tables, diagrs. 8s. 6d. *Blackie's technique series.* 'Previous ed. 1938.' (*A*) *254*

BIOGRAPHIES

CAMERON, H. C.

Samuel Crompton. Batchworth Press, 1951. pp.144, front. (port.), plates (incl. facsims.). 15s. (*A*) *255*

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PUBLISHERS

The following abbreviations are used in the *Aslib Book-List.*

A. & U. : Allen & Unwin
C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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VOLUME 17 NUMBER 4
APRIL 1952
Nos. 256-325

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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GENERAL SCIENCE

JOURNAL OF SCIENTIFIC INSTRUMENTS

Further laboratory and workshop notes; a second selection reprinted from the Journal of Scientific Instruments comp. and ed. by R. Lang for the Institute of Physics. Edward Arnold, 1951. pp.xii,290, plates, tables, diagrs., bibliog. 28s. *(B) 256*

LIBRARIANSHIP

American library directory

American library directory: a classified list of 11,920 libraries with names of librarians and statistical data compiled triennially. 19th ed. New York, Bowker, 1951. pp.ix,769. $20. 'Previous ed. 1948.' *(D) 257*

ASSOCIATION OF ASSISTANT LIBRARIANS. Midland Division

Students' guide: methods and resources of libraries in the area of the Midland Division of the Association of Assistant Librarians. Ed. by H. A. Whatley. [Birmingham] The Association, (Midland Division), 1951. pp.20. 2s. *(A) 258*

HORROCKS, S.

The state as publisher: a librarian's guide to the publications of His Majesty's Stationery Office. Library Association, 1952. pp. 32, tables, 5s. *Library Association pamphlets, no. 10.* *(B) 259*

LIBRARY ASSOCIATION

The year's work in librarianship. Vol. XV, 1948. Ed. by W. A. Munford. The Association, 1952. pp.x,281. 40s. (30s. to members). *(D) 260*

LIBRARY ASSOCIATION. County Libraries Section. Transport Sub-Committee

County library transport; a report of the Transport Sub-Committee of the County Libraries Section. Ed. by F. A. Sharr. Library Association, 1952. pp.64, front., plates. 7s. (5s. to members). *Library Association pamphlet, no. 9.* *(A) 261*

PALMER, B. I., *and* **WELLS, A. J.**

The fundamentals of library classification. A. & U., 1951 [1952]. pp.114, front., tables, diagrs., bibliog. 8s. 6d. *Practical library handbooks, ed. by D. Gray, no. 12.* *(B) 262*

WINCHELL, C. M.

Guide to reference books. 7th ed. Chicago, American Library Association, 1951. pp.xvii,645. $10. 'Based on the Guide to reference books, 6th ed. 1936, by I. G. Mudge.' *(D) 263*

PSYCHOLOGY

DREVER, J., *comp.*

A dictionary of psychology. Harmondsworth, Middlesex, Penguin Books, 1952. pp. 316. 3s. 6d. *Penguin reference books.* *(D) 264*

[See also *266*]

SOCIAL SCIENCES

BOWLBY, J.

Maternal care and mental health: a report prepared on behalf of the World Health Organization as a contribution to the United Nations programme for the welfare of homeless children. Geneva, World Health Organization; London, H.M.S.O., 1951. pp.179, tables, bibliog. 10s. *(A) 265*

ECONOMICS

[See *322*]

EDUCATION

DOLCH, E. W.

Psychology and teaching of reading. 2nd ed. Champaign, Illinois, Garrard Press, 1951. pp.vii,513. $3. 'Previous ed. 1951.' *(B) 266*

GREAT BRITAIN. Ministry of Education

The health of the school child: report of the Chief Medical Officer of the Ministry of Education for the years 1948 and 1949. H.M.S.O., 1952. pp.92, tables. 3s. *(D) 267*

NATIONAL FOUNDATION FOR EDUCATIONAL RESEARCH IN ENGLAND AND WALES

A survey of rewards and punishments; a report based on researches carried out by M. E. Highfield and A. Pinsent. Newnes (for the Foundation), 1952. pp.xxiv,432, col. map, tables, bibliog. 42s. *(C) 268*

READ, D. I.

The Norwich reading scheme: an account of a scheme for teaching reading in the infant and first-year junior school. Harrap, 1951. pp.80, illus., col. plates, diagrs. 7s. 6d. *(B) 269*

MATHEMATICS

PEDOE, J.

Advanced National Certificate mathematics. Vol. 1. English Universities Press, [1952]. pp.xiv,346, diagrs. 15s. *Technical college series, ed. by P. Abbott.* *(B) 270*

ASTRONOMY

DAVIDSON, M.

From atoms to stars. 3rd revised ed. Hutchinson, 1952. pp.280, front., illus., tables, diagrs., bibliog. 18s. *Hutchinson's scientific and technical publications.* 'Previous ed. 1946.' *(A) 271*

HOOD, P.

Observing the heavens. New York and London, O.U.P., 1951. pp.64, illus. $1.75 or 5s. 6d. *Oxford visual series, 1.* *(A) 272*

GEODESY

BOMFORD, G.

Geodesy. O.U.P., 1952. pp.xiii,452, plate, tables, diagrs., bibliog. 50s. *(C) 273*

PHYSICS

CAMPBELL, C. H.

Modern pyrometry. New York, Chemical Publishing Co., 1951. pp.150, illus. $4. *(B) 274*

KOHL, W. H.

Materials technology for electron tubes. New York, Reinhold, 1951. pp.xv,493, illus. $10. *(C) 275*

SCHRODINGER, E.

Science and humanism: physics in our time. C.U.P., 1951. pp.[9], 68, diagrs., bibliog. 8s. 6d. *(A) 276*

TWYMAN, F.

Prism and lens making: a textbook for optical glassworkers. 2nd ed. Hilger and Watts, 1952. pp.viii,629, front., plates, illus., tables, diagrs., bibliog. 58s. 'Previous ed. 1943 . . . chapters on the manufacture of spectacle lenses, on fine dividing, and on the working of large object-glasses and mirrors have been added.' *(C) 277*

CHEMISTRY

HASZELDINE, R. N., *and* **SHARPE, A. G.**

Fluorine and its compounds. Toronto, British Book Service; London, Methuen, 1951. pp.162. $1.50 or 8s. 6d. *Monographs on chemical subjects.* *(B) 278*

MINERALOGY

Barker index of crystals

Barker index of crystals: a method for the identification of crystalline substances. By M. W. Porter and R. C. Spiller. Vol. 1. Crystals of the tetragonal, hexagonal, trigonal and orthorhombic systems. Part 1. Introduction and tables. Part 2. Crystal descriptions. Cambridge, Heffer, 1951. front., illus., diagrs., tables, bibliog. Part 1, 30s. Part 2, 90s. *(C) 279*

GEOLOGY

FOX, ***Sir*** **C. S.**

Water; a study of its properties, its constitution, its circulation on the earth, and its utilization by man. Technical Press, 1951. pp.xxvii,148, front., plates, tables, diagrs. 30s. *(B) 280*

KING, P. B.

The tectonics of Middle North America; Middle North America east of the Cordilleran system. Princeton, New Jersey, Princeton University Press; London, O.U.P., 1951. pp.xix,203, maps, tables, diagrs., bibliog. $3.75 or 24s. *(C) 281*

BIOLOGY

HUGHES, A.

The mitotic cycle: the cytoplasm and nucleus during interphase and mitosis. Butterworths' Scientific Publications, 1952. pp.viii,232, plates, tables, diagrs., bibliog. 35s. *(C) 282*

ANTHROPOLOGY

FORD, C. S., *and* **BEACH, F. A.**

Patterns of sexual behaviour. Eyre and Spottiswoode (for The Practitioner), 1952. pp.vii,307, diagrs., bibliog. 22s. 6d. *(C) 283*

BOTANY

BONNER, J., *and* **GALSTON, A. W.**

Principles of plant physiology. San Francisco, W. H. Freeman; London, Bailey Bros. & Swinfen, 1952. pp.x,499, tables, diagrs. $5 or 47s. *A series of biology texts, ed. by G. W. Beadle and others.* *(B) 284*

ELLIOTT, C.

Manual of bacterial plant pathogenes. 2nd revised ed. Waltham, Massachusetts, Chronica Botanica, 1951. pp.viii,186, illus. $6. *Annales cryptogamici et phytopathologici, v. 10.* 'Previous ed. 1930.' *(C) 285*

[See also *323*]

ZOOLOGY

KLOTS, A. B.

A field guide to the butterflies of North America, east of the Great Plains. Boston, Massachusetts, Houghton-Mifflin, 1951. pp.xvi,349, illus. $3.75. *Peterson field guide.* *(B) 286*

Wild life illustrated

Wild life illustrated: a comprehensive survey of the animal life of the world. Odhams Press, 1951. pp.512, illus. 12s. 6d. *(A) 287*

PUBLIC HEALTH

[See *267*]

VETERINARY SCIENCE

LEAHY, J. R., *and* **BARROW, P.**

Restraint of animals. Ithaca, Cornell Co-operative Society, 1952. pp.235, illus. $3.50. *(B) 288*

ENGINEERING

Testing Materials

[See *319*]

Mechanical

LITTLETON, C. T.

Industrial piping; [with a] special chapter on estimating by R. A. Dickson. New York and London, McG.-H., 1951. pp.vii,394, illus., tables, diagrs. $8 or 68s. *(C) 289*

Electrical

ALEXANDER, W.

Electrical instruments and measurements. Cleaver-Hume, 1951 [1952]. pp.352, illus., tables, diagrs. 12s. 6d. *Cleaver-Hume electrical series, ed. by H. Cotton, no. 5.* *(B) 290*

Electronic applications

Electronic applications: some examples drawn from practice of the use of electronic devices in the machine shop and factory. Machinery Publishing Co., 1951. pp.58, illus., diagrs. 4s. *Machinery's yellow back series, no. 28a.* *(B) 291*

LIPSCOMBE, A. P.

Electronic fundamentals: a systematic explanation of basic electronic devices and their function in industrial circuits. Machinery Publishing Co., 1951. pp.61, illus., tables, diagrs. 4s. *Machinery's yellow back series, no. 28.* *(B) 292*

MORTLOCK, J. R., *and* **DAVIES, M. W. H**

Power systems analysis. C. & H., 1952. pp.xv,384, tables, diagrs., bibliog. 45s. *(C) 293*

Electrical Communications

BRITISH BROADCASTING CORPORATION. Engineering Training Department

Microphones. Iliffe (for Wireless World), 1951 [1952]. pp.114, front., illus., tables, diagrs., bibliog. 15s. *BBC Engineering training manuals.* *(B) 294*

Workshop Practice

FUCHS, E., *and* **BRADLEY, H.,** *eds.*

Welding practice. Vol. 1. Welding methods and tests. Butterworth (in association with Imperial Chemical Industries, Ltd.), 1952. pp.[11],130, illus., facsims., tables, diagrs., bibliog. 17s. 6d. *(B) 295*

WEST, E. G.

Welding of non-ferrous metals. C. & H., 1951. pp.xi,553, illus., tables, diagrs., bibliog. 55s. *(C) 296*

[See also *303*]

Naval

[See *316*]

Hydraulic

[See *280*]

CIVIL

CIVIL ENGINEERING CODES OF PRACTICE JOINT COMMITTEE

Earth-retaining structures. Institution of Structural Engineers (for the Civil Engineering Codes of Practice Joint Committee), 1952. pp.224, illus., plates, tables, diagrs. 15s. *Civil engineering code of practice, no. 2 (1951).* *(C) 297*

Civil engineering reference book

Civil engineering reference book. Eds. E. H. Probst and J. Comrie. Butterworth, 1951 [1952]. pp.xii,1703, tables, diagrs., bibliog. 147s. *(D) 298*

INSTITUTION OF CIVIL ENGINEERS. Sea Action Committee

Nineteenth report: deterioration of structures of timber, metal and concrete exposed to the action of sea water, being a general summary of the experimental work carried out to date on timber. By J. Bryan. 2nd ed. The Institution, 1951. pp.54, front. (map), illus., tables. 5s. 'Previous ed. 1947.' *(C) 299*

LAMBE, T. W.

Soil testing for engineers. New York, Wiley; London, C. & H., 1951. pp.ix,165, illus. $5 or 40s. *(C) 300*

MINIKIN, R. C. R.

Coast erosion and protection; studies in causes and remedies. C. & H. (for the Dock and Harbour Authority), 1952. pp.iv,240, illus., diagrs. 30s. *(B) 301*

AUTOMOBILE

Autocycles and cyclemotors

Autocycles and cyclemotors; how to get the best from them. By the staff of the Motor Cycle. 2nd ed. Iliffe, 1952. pp.140, diagrs. 5s. 'Previous ed. 1949, published as Your autocycle and how to get the best from it.' *(B) 302*

JUDGE, A. W.

Garage machining practice: a practical handbook for motor mechanics on metal cutting processes. Penton Publishing Co., 1951 [1952]. pp.144, illus., tables, diagrs. 15s. *(B) 303*

AGRICULTURE

SOILS

SHAWARBI, M. Y.

Soil chemistry. C. & H., 1952. pp.x,420, illus., tables, diagrs., bibliog. 32s. *(B) 304*

CROPS

PYENSON, L. L.

Elements of plant protection. New York, Wiley; London, C. & H., 1952. pp.x,538, illus., tables, diagrs., bibliog. $4.96 or 40s. *Wiley farm series.* *(B) 305*

FORESTRY

WESTVELD, R. H., *and* PECK, R. H.

Forestry in farm management. 2nd ed. revised by R. H. Westveld. New York, Wiley; London, C. & H., 1951. pp.xi,340, illus., tables, diagrs., bibliog. $5 or 40s. 'Previous ed. 1941.' *(B) 306*

DAIRYING

BARTON, A. L.

Dairy law; sum and substance. Griffin, 1951. pp.vii,196, bibliog. 7s. 6d. *(B) 307*

INDUSTRIAL ORGANIZATION

WILLSMORE, A. W.

Modern production control. 2nd ed. Pitman, 1951. pp.xiv,185, diagrs. 15s. 'Previous ed. 1946 . . . a new chapter has been added on scheduling.' *(A) 308*

CHEMICAL TECHNOLOGY

Fuel Technology

OIL SHALE AND CANNEL COAL CONFERENCE

Oil shale and cannel coal. Vol. 2. Proceedings of the second Oil Shale and Cannel Coal Conference, organized by the Institute of Petroleum and held in Glasgow in July 1950. Ed. by G. Sell. Institute of Petroleum, 1951 [1952]. pp.xx,832, illus., tables, diagrs. 63s. *(C) 309*

TRINKS, W.

Industrial furnaces, v. 1. 4th ed. New York, Wiley, 1951. pp.xi,526, illus. $10. 'Previous ed. 1934.' *(C) 310*

Oils and Fats

LEVITT, B.

Oil, fat and soap. New York, Chemical Publishing Co., 1951. pp.230, illus. $6. *(C) 311*

Paints

JORDAN, L. A., *ed.*

Oils for the paint industry: a report on the evidence given to the Board of Trade by the industry members of a discussion group, namely D. L. Annand and others, on the origins, characteristics, evaluation and uses of drying and near-drying oils based on studies made at home and abroad by the members, and on much technical investigation work carried out at the Paint Research Station over a number of years. Teddington, Middlesex, Research Association of British Paint, Colour and Varnish Manufacturers, 1951. pp.264, tables, diagrs. 35s. *(C) 312*

Adhesives

Structural adhesives

Structural adhesives: the theory and practice of gluing with synthetic resins. Lectures given in Cambridge at the summer school, the Technology of Synthetic Resin Adhesives, held by Aero Research Ltd., Cambridge from September 23rd to the 29th, 1951. Lange, Maxwell and Springer, 1951. pp.vi,203, front., illus., tables, diagrs. 21s. *(C) 313*

Metallurgy

BRITISH IRON AND STEEL RESEARCH ASSOCIATION. Ingot Surface Defects Sub-Committee

Surface defects in ingots and their products (recommended definitions). Iron and Steel Institute, 1951. pp.51, illus., diagrs. 25s. *Iron and Steel Institute special reports, no. 44.* *(B) 314*

LUMSDEN, J.

Thermodynamics of alloys. Institute of Metals, 1952. pp.xv,384, tables, diagrs., bibliog. 35s. *Institute of Metals monograph and report, no. 11.* *(C) 315*

MUCKLE, W.

Investigations into the structural use of aluminium in ships; a summary. Aluminium Development Association, 1951. pp.67, illus., tables, diagrs., bibliog. 7s. 6d. *Aluminium Development Association research reports, no. 10.* *(C) 316*

MANUFACTURES

TEXTILES

HARDING, K.

Lace-furnishing manufacture. Macmillan, 1952. pp.x,198, front., illus., diagrs. 18s. *(B) 317*

SCIENTIFIC INSTRUMENTS

ELLIOTT, A., *and* **DICKSON, J. H.**

Laboratory instruments; their design and application. C. & H., 1951. pp.414, illus., tables, diagrs., bibliog. 32s. *(B) 318*

BUILDING

GREAT BRITAIN. Building Research Station

The corrosion of steel in steel houses: an examination of the corrosion of steelwork in steel-clad and steel-framed houses. [Prepared by F. E. Jones]. H.M.S.O., 1951. pp.v,29, plates, illus., tables, diagrs. 1s. 9d. *National Building Studies special report, no. 16.* *(B) 319*

GREAT BRITAIN. Building Research Board

Report of the Building Research Station with the report of the Director of Building Research for the year 1950. H.M.S.O., 1951. pp.68, plates, illus., tables, diagrs., bibliog. 4s. *(B) 320*

KELLY, B.

The prefabrication of houses; a study of the Albert Farwell Bemis Foundation of the prefabrication industry. Cambridge, Massachusetts, Massachusetts Institute of Technology, 1951. pp.xxii,466, plates. $7.50. *(C) 321*

GEOGRAPHY

HALL, G.

Commercial geography: an intermediate economic geography of the British Commonwealth of Nations and the British Colonial Empire, with a summary of world geography. Pitman, 1951. pp.viii,478, illus., maps, tables, diagrs. 15s. *(B) 322*

BIOGRAPHY

HAGBERG, K.

Carl Linnaeus. Tr. from the Swedish by A. Blair. Jonathan Cape, 1952. pp.264, front. (port.), illus., col. plates. 18s. *(A) 323*

TOWN AND COUNTRY PLANNING

BAKER, G., *and* **FUNARO, B.,** *eds.*

Shopping centers; design and operation. New York, Reinhold; London, C. & H., 1951. pp.288, illus., maps, plans, tables. $12 or 96s. *Progressive architecture library.* *(C) 324*

STEIN, C. S.

Towards new towns for America. Chicago, Public Administration; Liverpool, Liverpool University Press, 1951 [1952]. pp.245, front. (diagr.), plates, plans, tables, diagrs., bibliog. $5 or 30s. *(B) 325*

ARCHITECTURE

[See *321*]

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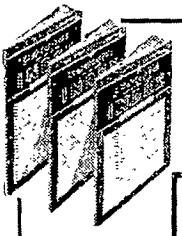

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VOLUME 17 NUMBER 5
MAY 1952
Nos. 326-400

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

ASLIB BOOK-LIST

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GENERAL SCIENCE

BOLTZ, C. L.

Statute to Mr. Trattles and other scientific topics. Butterworths' Scientific Publications, 1952. pp.vii,168, illus., plates (incl. ports., facsims.), diagrs. 12s. 6d. (*A*) *326*

WISDOM, J. O.

Foundations of inference in natural science. Methuen, 1952. pp.xii,242, bibliog. 22s. 6d. (*C*) *327*

BIBLIOGRAPHIES

INTERNATIONAL STATISTICAL INSTITUTE

Bibliography of basic texts and monographs on statistical methods. The Hague, the Institute, 1951. pp.84. 5s. (*D*) *328*

REDDING, T. H.

A bibliographical survey of flow through orifices and parallel-throated nozzles. C. & H., 1952. pp.ix,197, tables, diagrs. 32s. 6d. *British Scientific Instrument Research Association research publications series, M.9.* (*D*) *329*

UNITED STATES, Library of Congress. Reference Department

Soviet geography; a bibliography. Part 1: U.S.S.R. geography by subject. Part II: Administrative, natural and economic regions. Washington, the Library, 1951. $4.60. (*D*) *330*

LIBRARIANSHIP

GREAT BRITAIN. Treasury. Organization and Methods Division

A guide to Government libraries. H.M.S.O., 1952. pp.iv,120. 7s. 6d. (*D*) *331*

PHILOSOPHY

[See *327*]

PSYCHOLOGY

HALMOS, P.

Solitude and privacy: a study of social isolation, its causes and therapy. Routledge and Kegan Paul, 1952. pp.xvii,181, tables, bibliog. 21s. *International library of sociology and social reconstruction.* (*B*) *332*

MAYO, B.

The logic of personality. Jonathan Cape, 1952. pp.188. 10s. 6d. (*B*) *333*

[See also *334*]

SOCIAL SCIENCES

LEWIN, K.

Field theory in social science; selected theoretical papers. Ed. by D. Cartwright. Tavistock Publications (in collaboration with Routledge and Kegan Paul), 1952. pp.xxi,346, diagrs., bibliog. 21s. (*C*) *334*

PARSONS, T.

The social system. Tavistock Publications (in collaboration with Routledge and Kegan Paul), 1952. pp.xviii,3–575, tables. 42s. (*C*) *335*

STATISTICS

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ECONOMICS

ACTON SOCIETY TRUST

Patterns of organization. Claygate, Surrey, the Society, 1951 [1952]. pp.[3], 32, tables. 2s. *Studies in nationalised industry, ed. by G. R. Taylor, no. 9.* (*D*) *336*

CHUBB, B.

The control of public expenditure: financial committees of the House of Commons. O.U.P., 1952. pp.viii,291, tables, bibliog. 25s. (*B*) *337*

SILVERMAN, R.

Advertising expenditure in 1948. Economical and statistical adviser, W. B. Reddaway. The Advertising Association, 1951 [1952]. pp.xi,99, tables, bibliog. 21s. (*C*) *338*

EDUCATION

BIBBY, C.

Health education: a guide to the principles and practice. Heinemann, 1952. pp.x,222, tables, bibliog. 17s. 6d. *Heinemann education series, ed. by V. Mallinson and others.* (*B*) *339*

DUNSDON, M. I.

The educability of cerebral palsied children. Newnes Educational Publishing Co., (for the National Foundation for Educational Research in England and Wales), [1952]. pp.x,153, tables, diagrs., bibliog. 21s. (*C*) *340*

HOLMES, R. G. A.

The idiot teacher: a book about Prestolee School and its headmaster, E. F. O'Neill. Faber, 1952. pp.200, tables. 12s. 6d. (*A*) *341*

PATON, J. *and* J., *Ltd.*

List of schools and tutors: an aid to parents in the selection of schools, 1951–1952. 54th ed. Paton, [1952]. pp.xxvii,457. 7s. 6d. 'Previous ed. 1951.' (*D*) *342*

SERJEANT, F. I.

From day to day in the infant school. Blackie, 1952. pp.xi,91, front., illus., plates (incl. facsims.), tables, diagrs. 8s. 6d. *Technique of teaching series, no. 3.* (*A*) *343*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

Study abroad; international handbook, fellowships, scholarships, educational exchange. Vol. IV, 1951–52. Paris, the Organization; London, H.M.S.O., 1952. pp.xxiii,326. 7s. 6d. (*D*) *344*

COMMERCE

Commercial directory of Africa

Commercial directory of Africa, 1950–51: containing the largest number of advertisements and trade headings as yet compiled and published in a single book in this country. Nairobi, Kenya Colony, International Marketing Service Corporation, [1951]. pp.xxiv,279. 40s. (*D*) *345*

MATHEMATICS

BELL, E. T.

Mathematics; queen and servant of science. Bell, 1952. pp.xxi,437, tables, diagrs. 21s. (*A*) *346*

GILLESPIE, R. P.
Partial differentiation. Edinburgh and London, O. & B., 1951. pp.viii,105. 6s. *University mathematical texts.* (*B*) 347

ASTRONOMY

LOVELL, B., *and* **CLEGG, J. A.**
Radio astronomy. C. & H., 1952. pp.238, front., illus., plates, tables, diagrs. 16s. *Frontiers of science series, ed. by B. Lovell.* (*B*) *348*

PHYSICS

ASTBURY, N. F.
Industrial magnetic testing. Institute of Physics, 1952. pp.132, tables, diagrs. 25s. *Physics in industry.* (*B*) *349*

BENNETT, A. H., *and others*
Phase microscopy; principles and applications. New York, Wiley; London, C. & H., [1952]. pp.xii,320, illus., tables, diagrs., bibliog. $7.50 or 60s. (*C*) *350*

MURNAGHAN, F. D.
Finite deformation of an elastic solid. New York, Wiley; London, C. & H., 1951 [1952]. pp.7,140, tables. $4 or 32s. *Applied mathematics series, ed. by I. S. Sokolnikoff.* (*C*) *351*

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CHEMISTRY

Advances in carbohydrate chemistry
Advances in carbohydrate chemistry [1951]. Edited by C. S. Hudson and S. M. Cantor. Vol. 6. New York, Academic Press, 1951. pp.xii,442, illus. $8.50. (*C*) *352*

CHEMICAL SOCIETY
Memorial lectures delivered before the Chemical Society. Vol. 4: 1933–1942. The Society, 1951. pp.[3],188, front., plates (incl. ports.), tables. 21s. (*C*) *353*

HUCKEL, W.
Structural chemistry of inorganic compounds. Tr. [from the German] by L. H. Long. Vol. 2. Amsterdam, Elsevier Publishing Co.; London, Cleaver-Hume, 1951 [1952]. pp.xii,438–1094. 90s. (*C*) *354*

Progress in organic chemistry
Progress in organic chemistry. [Vol.] I. Ed. by J W. Cook. Butterworths' Scientific Publications, 1952. pp.viii,287, tables, diagrs., bibliog. 50s. *Progress series.* (*C*) *355*

RESUGGAN, J. C. L.
Quaternary ammonium compounds in chemical sterilisation. United Trade Press, 1951. pp.120, tables, diagrs., bibliog. 15s. (*C*) *356*

MINERALOGY

UYTENBOGAARDT, W.
Tables for microscopic identification of ore minerals. Princeton, New Jersey, Princeton University Press; London, O.U.P., 1951 [1952]. pp.vii,242, tables, bibliog. $5 or 32s. 6d. (*B*) *357*

BIOLOGY

CHING, C. L.
An introduction to population genetics. Peiping, National Peking University Press, 1948; London, Collet's Holdings, 1952. pp [10],321, tables. 75s. (*B*) *358*

BOTANY

CHRISTENSEN, C. M.

The molds and man: an introduction to the fungi. Minneapolis, University of Minnesota Press; London, O.U.P. [1952]. pp.viii,244, front., illus., bibliog. $3 or 21s. *(B) 359*

CLAPHAM, A. R., *and others*

Flora of the British Isles. C.U.P., 1952. pp.li,1591, diagrs. 50s. *(B) 360*

ZOOLOGY

COMMONWEALTH INSTITUTE OF BIOLOGICAL CONTROL. Ottawa

A catalogue of the parasites and predators of insect pests. Prepared under the direction of W. R. Thompson. Section 2. Host parasite catalogue. Part I. Hosts of the Coleoptera and Diptera. Ottawa, Ontario, Commonwealth Institute of Biological Control; [Farnham House, Farnham Royal, Bucks, Commonwealth Agricultural Bureaux], 1951. pp.5,147. 10s. *(D) 361*

HOPKINS, G. H. E.

Mosquitoes of the Ethiopian region. 1: Larval bionomics of mosquitoes and taxonomy of culicine larvae. 2nd ed. with notes and addenda by P. F. Mattingly. British Museum (Natural History) and Quaritch, 1952. pp.xiii, 255, tables, diagrs., bibliog. 45s. 'Previous ed. 1936.' *(C) 362*

RICHARDS, A. G.

The integument of arthropods: the chemical components and their properties, the anatomy and development, and the permeability. Minneapolis, Minnesota University Press; London, O.U.P., 1951. pp.xvi,411, illus., tables, diagrs., bibliog. $6 or 48s. *(C) 363*

SNYDER, L. L.

Ontario birds. Toronto, Clarke, Irwin, 1951. pp.x,248, illus. $4.50. *(B) 364*

PUBLIC HEALTH

[See *339*]

PHARMACY

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

Calendar of the Pharmaceutical Society of Great Britain, 1951–1952. The Society, 1951. pp.[6],308. 12s. 6d. *(D) 365*

ENGINEERING

[See *349*]

MECHANICAL

HOUGHTON, P. S.

Gears, spur, helical, bevel and worm: a treatise for draughtsmen, shop superintendents, foremen, mechanics and students. Kingston Hill, Surrey, Technical Press, 1952. pp.xvi,390, illus., tables, diagrs. 50s. *(C) 366*

ELECTRICAL

KRON, G.

Equivalent circuits of electric machinery. New York, Wiley, 1951. pp.xviii, 278. $10. *General electric series.* *(C) 367*

MITCHELL, H. G.

Fundamentals of technical electricity. Methuen, 1952. pp.xii,543, illus., plates, tables. 18s. *(B) 368*

WALL, T. F.
Three-phase motors; theory and operation. Newnes, 1952. pp.viii,232, tables, diagrs. 30s. *(B) 369*

ELECTRICAL COMMUNICATIONS

LEWIN, L.
Advanced theory of waveguides. Iliffe (for the Wireless Engineer), 1951. pp.192, tables, diagrs., bibliog. 30s. *(C) 370*

ELECTRONICS

LATHAM, R., *and others*
The magnetron. C. & H., 1952. pp.ix,142, illus., tables, diagrs., bibliog. 18s. *(B) 371*

INTERNAL COMBUSTION

DICKINSON, H. W.
The Cornish engine; a chapter in the history of steam power, descriptions of a series of films produced by the Shell Film Unit, London, with the co-operation of the Cornish Engines Preservation Society. Art & Technics, 1951 [1952]. pp.46, illus. (incl. ports.), bibliog. 7s. 6d. *(B) 372*

WEBSTER, H.
Railway motive power. Hutchinson, 1952. pp.311, front., illus., tables, diagrs. 25s. *Hutchinson's scientific and technical publications.* *(B) 373*

WORKSHOP PRACTICE

Jig, fixture and clamp design
Jig, fixture and clamp design: types of clamps, fixture details, jig bushes, their use and characteristics: feet for jigs and fixtures: removal of swarf. Machinery Publishing Co., 1951. pp.60, tables, diagrs. 4s. *Machinery's yellow back series, no. 30.* *(B) 374*

NAVAL

MUCKLE, W.
Modern naval architecture. Temple Press, 1951. pp.vi,154, front., plates, diagrs., bibliog. 9s. 6d. *Technical trends.* *(B) 375*

AGRICULTURE

DE CASTRO, J.
Geography of hunger. Foreword by Lord Boyd Orr. Gollancz, 1952. pp.288, bibliog. 18s. *(A) 376*

FOX, S.
The polished ploughshare; how far can science help the farmer? C. A. Watts, 1952. pp.91. 1s. *Thrift books, ed. by R. Pike, no. 15.* *(A) 377*

FRANKLIN, T. B.
A history of Scottish farming. Nelson, 1952. pp ix,194, front., plates, tables, bibliog. 12s. 6d. *Nelson's agriculture series, eds. Sir W. G. Ogg and G. V. Jacks.* *(A) 378*

HORTICULTURE

PHILIP, N.
The rose in Britain. Plant Protection Ltd. and Simpkin Marshall, 1951. pp.xii,181, col. front., illus., col. plates. 17s. 6d. *(B) 379*

ROYAL HORTICULTURAL SOCIETY
The fruit garden displayed. The Society and O.U.P., 1951. pp.176, illus., diagrs. 8s. 6d. *(B) 380*

ROYAL HORTICULTURAL SOCIETY

The lily year book. No. 15. 1951–52. Ed. by P. M. Synge. The Society, 1951. pp.145, front. (port.), plates. 15s. *(D) 381*

LIVESTOCK

HUNGERFORD, T. G.

Diseases of poultry. 2nd ed. Sydney, Angus and Robertson, 1951. pp.vii,427, illus. 63s. *Australian agricultural and livestock series.* *(C) 382*

DAIRYING

FISHWICK, V. C.

Dairy farming. 2nd ed. revised by K. N. Russell. Crosby Lockwood, 1952. pp.245, plates (some col.), tables. 18s. *Agricultural and horticultural series, ed. by H. C. Long.* 'Previous ed. 1947.' *(B) 383*

HILL, H.

Clean milk. H. K. Lewis, 1952. pp.vii,115, tables. 7s. 6d. *(B) 384*

INDUSTRIAL ORGANIZATION

ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY

Education for management; report of a visit to the United States of America in 1951 of a specialist team concerned with education for management. The Council, 1951. pp.xii,86, illus., plates, tables. 4s. 6d. *(B) 385*

CASSADY, R., *and* **JONES, W. L.**

The nature of competition in gasoline distribution at the retail level; a study of the Los Angeles market area. Berkeley, University of California Press, 1951. pp.xii,220. $3.50. *Californian University Bureau of business research publication.* *(B) 386*

CROPPER, L. C.

Higher book-keeping and accounts. 7th ed. rev. by F. D. Morris and A. K. Fison. Macdonald, 1951. pp.vii,792, illus., tables. 12s. 6d. 'Previous ed. 1942.' *(B) 387*

RYALL, R. J. H.

Dictionary of costing. 3rd ed. Pitman, 1952. pp.xii,484, illus., tables. 30s. 'Previous ed. 1938 . . . thoroughly revised and brought up to date.' *(D) 388*

TICKNER, F. J.

Modern staff training; a survey of training needs and methods of to-day. University of London Press, 1952. pp.159, front., plates, bibliog. 12s. 6d. *(B) 389*

TIFFIN, J.

Industrial psychology. 2nd ed. A. & U., 1951 [1952]. pp.xxi,554, illus., tables, diagrs. 35s. 'Previous ed. New York, Prentice-Hall, 1947.' *(B) 390*

[See also *336*]

TRANSPORT

FREDERICK, J. H.

Commercial air transportation. 3rd ed. Homewood, Illinois, Irwin, 1951. pp.xiii,473, illus., maps. $6.65. 'Previous ed. 1942.' *(B) 391*

NICHOLSON, J. L.

Air transport management; its practices and policies. New York, Wiley; London, C. & H., 1951. pp.xi,446, front., plate, map, tables, diagrs. $5.50 or 52s. *(B) 392*

CHEMICAL ENGINEERING

FUEL TECHNOLOGY

[See *386*]

PAINTS

BIDLACK, V. C., *and* **FASIG, E. W.,** *eds.*

Paint and varnish manual. Prepared for the Federation of Paint and Varnish Production Clubs. New York, Wiley; London, C. & H., 1951. pp.ix,288, illus., col. plates, tables, diagrs., bibliog. $6.50 or 52s. *(C) 393*

METALLURGY

CAMP, J. M., *and* **FRANCIS, C. B.**

Making, shaping, and treatment of steel; a complete revision based on the original text. 6th ed. Pittsburgh, United States Steel Corporation, 1951. pp.1584, illus. $7.50. 'Previous ed. 1940.' *(C) 394*

GREAT BRITAIN. Ministry of Labour and National Service. Factory Department. Committee on Dust in Steel Foundries

Dust in steel foundries: second report of a committee appointed to consider methods of preventing the production or the inhalation of dust and the possibility of reducing the use of materials containing free silica in steel foundries. H.M.S.O., 1951 [1952]. pp.83, plates (illus.), tables, diagrs. 3s. 6d. *(C) 395*

MILEK, J. T.

Guide to foreign sources of metallurgical literature. Pittsburgh, Richard Rimbach Associates, 1951. pp.[10],95. $2.50. *(D) 396*

MANUFACTURES

PAPER

CASEY, J. P.

Pulp and paper; chemistry and chemical technology. Vol. 1. Pulping and papermaking. New York and London, Interscience Publishers, 1952. pp.xxiii,795, tables, diagrs. or 120s. *(C) 397*

TEXTILES

HAIGH, H.

The work of the woolman. Spon, 1952. pp.x,106, illus., map, tables, diagrs. 10s. 6d. *Spon's textile series, ed. by J. C. Withers.* *(B) 398*

Hard's yearbook for the clothing industry

Hard's yearbook for the clothing industry, 1952. By A. Hard. United Trade Press [1952]. pp.456, illus., tables, diagrs. 30s. *(D) 399*

SIU, R. G. H.

Microbial decomposition of cellulose; with special reference to cotton textiles. New York, Reinhold; [London, C. & H.], 1951. pp.xi,531, illus., tables, diagrs., bibliog. $10 or 80s. *(C) 400*

GEOGRAPHY

[See *330*]

PUBLISHERS

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McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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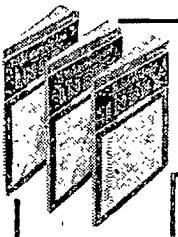

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The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

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(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

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The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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Volume 17 *Number 6* *June 1952*

GENERAL SCIENCE

Modern science illustrated

Modern science illustrated: an up-to-date illustrated course in physics, chemistry, biology, astronomy and geology. Odhams Press, [1952]. pp.448, front., illus., tables, diagrs. 16s. 6d. (*A*) *401*

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INTERNATIONAL ASSOCIATION FOR RESEARCH IN INCOME AND WEALTH

Bibliography on income and wealth 1937–1947. Ed. by D. Creamer. Cambridge, Bowes & Bowes (for the Association), 1952. pp.184, bibliog. 63s. *Annotated international bibliographies on income and wealth, v. 1.* (*D*) *402*

UNITED STATES. Library of Congress. European Affairs Division

Introduction to Africa; a selective guide to background reading. [Prepared by H. F. Conover.] Washington, University Press, 1952. pp.xx,237, map. $1.75. (*D*) 403

LIBRARIANSHIP

ASSOCIATION OF ASSISTANT LIBRARIANS

The A.A.L. guide to professional examinations. Vol. 2, final examinations. Ed. by A. J. Walford. The Association, 1952. pp.200. 12s. (9s. 6d. to members). (*D*) *404*

FOSKETT, D. J.

Assistance to readers in lending libraries. James Clarke, 1952. pp.141, diagrs. 12s. 6d. (*B*) *405*

GRIMSHAW, E.

The teacher librarian. Leeds, E. J. Arnold, 1952. pp.179, illus., diagrs., bibliog. 10s. 6d. (*B*) *406*

LEWIS, J.

Newspaper libraries. Library Association, 1952. pp.76, front. 7s. (5s. to members). *Library Association pamphlet no. 11.* (*B*) *407*

LIVERPOOL. Public Libraries

Catalogue of works of non-fiction (excluding music and foreign literature) added to the lending libraries 1935–1950. Liverpool, Libraries Museums and Arts Committee, 1952. pp.[6],626. 10s. 6d. (*D*) *408*

UNITED STATES. Library of Congress

Subject headings; a practical guide. By D. J. Haykin. Washington, United States Government Printing Office, 1951. pp.v,140. 70c. (*B*) *409*

SOCIAL SCIENCES

BURNET, J.

Next-year country: a study of rural social organization in Alberta. Toronto, Toronto University Press; London, O.U.P., [1951] 1952. pp.xv,188, tables, bibliog. $4 or 30s. *Social credit in Alberta, ed. by S. D. Clark, no. 3.* *(B) 410*

STATISTICS

BODDINGTON, A. L.

Statistics and their application to commerce. 10th ed. rev. and rewritten by A. R. Ilersic. H. F. L. (Publishers), 1952. pp.xiv,451, tables, diagrs., bibliog. 25s. 'Previous ed. 1949.' *(B) 411*

ECONOMICS

DRUMMOND, J. M.

The finance of local government, England and Wales. A. & U., 1952. pp.vii,207. 20s. *New town and county hall series.* *(B) 412*

MEADE, J. E., *and* **STONE, R.**

National income and expenditure. 3rd rev. ed. Cambridge, Bowes & Bowes, 1952. pp.48, tables, diagrs. 3s. 'Previous ed. 1948.' *(B) 413*

ROBINSON, J.

The rate of interest and other essays. Macmillan, 1952. pp.viii,170, bibliog. 10s. 6d. *(B) 414*

TEW, B.

International monetary co-operation, 1945–1952. Hutchinson, 1952. pp.180, tables, bibliog. 8s. 6d. *Hutchinson's university library, economics, ed. by R. F. Harrod.* *(B) 415*

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EDUCATION

GAGG, J. C.

Common sense in the primary school. Evans Bros., [1951]. pp.208, plates, tables. 9s. 6d. *(B) 416*

Girl's school year book

Girl's school year book; public schools, 1952 the official book of reference of the Association of Head Mistresses. Black, 1952. pp.xii,625, illus. 15s. *(D) 417*

INTERNATIONAL LABOUR OFFICE

Child labour in relation to compulsory education; an ILO report. Paris, United Nations Educational, Scientific and Cultural Organization; London, H.M.S.O., 1952. pp. 9–102, tables, bibliog. 8s. 6d. *Studies in compulsory education, 5.* *(C) 418*

NATIONAL INSTITUTE OF ADULT EDUCATION

Social aspects of further education: a survey of local education authority action. The Institute, 1952. pp.[3],55, tables. 3s. *(A) 419*

NATIONAL UNION OF TEACHERS. Consultative Committee

The curriculum of the secondary school: a report of a Consultative Committee appointed by the Executive of the National Union of Teachers. Evans Bros. (for the Union), 1952. pp.142. 8s. 6d. *(B) 420*

Schools, 1952

Schools, 1952: the most complete directory of the schools in Great Britain and Northern Ireland, arranged in order of their counties and towns, including statistical information regarding recognized public schools for boys and a supplementary list of schools on the Continent. 29th ed. Truman and Knightley, [1952]. pp.756, illus. 6s. (*D*) *421*

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MATHEMATICS

CARATHEODORY, C.

Conformal representation. 2nd ed. C.U.P., 1952. pp.ix,115, bibliog. 12s. 6d. *Cambridge tracts in mathematics and mathematical physics, ed. by W. V. D. Hodge, no. 28.* 'Previous ed. 1932.' (*C*) *422*

ASTRONOMY

JONES, *Sir* H. S.

Life on other worlds. 2nd ed. English Universities Press, 1952. pp.xi,259, plates, tables. 12s. 6d. 'Previous ed. 1940.' (*A*) *423*

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NAVIGATION

HITCHINS, H. L., *and* MAY, W. E.

From lodestone to gyro-compass. Hutchinson, 1952. pp.219, front., illus., plates, tables, diagrs., bibliog. 12s. 6d. *Hutchinson's scientific and technical publications.* (*C*) *424*

PHYSICS

CHAMPION, F. C., *and* DAVY, N.

Properties of matter. 2nd ed. Blackie, 1952. pp.xiv,328, illus., diagrs. 27s. 6d. *Student's physics series, v. 3.* 'Previous ed. 1936.' (*C*) *425*

CLARKE, N.

Physics as a career. Institute of Physics, 1952. pp.70, col. front., plates, bibliog. 6s. (*A*) *426*

MILNE, A. E.

Modern cosmology and the Christian idea of God. O.U.P., 1952. pp.[7],160. 21s. *Edward Cadbury lectures, 1950.* (*B*) *427*

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Reports on progress in physics. Vol. XV (1952). Executive ed. A. C. Strickland. The Society, 1952. pp.[4],338, diagrs., tables. 50s. (27s. 6d. to Fellows). (*C*) *428*

RICHARDSON, E. G.

Ultrasonic physics. Amsterdam, Elsevier; London, Cleaver-Hume, 1952. pp.x,285, tables, diagrs., bibliog. 30s. (*B*) *429*

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CHEMISTRY

ALFREY, T., *and others*

Copolymerization. Interscience, 1952. pp.x,269, tables, diagrs., bibliog. 54s. *High polymers, 8.* *(C) 430*

DENBIGH, K. G.

The thermodynamics of the steady state. Methuen, 1952. pp.vii,103, diagrs., bibliog. 6s. 6d. *Methuen's monographs on chemical subjects, ed. by H. J. Emeleus and D. W. G. Style.* *(B) 431*

FRIEDEL, R. A., *and* **ORCHIN, M.**

Ultraviolet spectra of aromatic compounds. New York, Wiley; London, C. & H., 1952. Diagrs. 80s. Pagination various. *(C) 432*

MIDDLETON, A. R., *and* **WILLARD, J. W.**

Semimicro qualitative analysis. A. & U., 1952. pp.xi,448, tables. 30s. *(B) 433*

SIMONSEN, ***Sir*** **J.,** *and* **BARTON, D. H. R.**

The terpenes. Vol. III. The sequiterpenes, diterpenes and their derivatives. With addenda to vols. I and II, by Sir J. Simonsen and L. N. Owen. 2nd ed. rev. C.U.P., 1952. pp.xi,579. 50s. 'Previous ed. 1932.' *(C) 434*

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MINERALOGY

DANA, J. D., *and* **DANA, E. S.**

The system of mineralogy. Vol. 2. Halides, nitrates, borates, carbonates, sulfates, phosphates, arsenates, tungstates, molybates, etc. 7th ed. entirely rewritten and greatly enlarged by C. Palache and others. New York, Wiley; London, C. & H., 1952. pp.xii,1124, tables, diagrs. $15 or 120s. 'Previous ed. 1892.' *(C) 435*

GEOLOGY

PLATT, J. I.

Selected exercises upon geological maps. Thomas Murby, 1952. pp.[32], diagrs. 6s. *(B) 436*

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METEOROLOGY

AMERICAN METEOROLOGICAL SOCIETY

Compendium of meteorology. Ed. by T. F. Malone. Boston, Massachusetts, the Society, 1952. pp.1315, illus. $12. *(C) 437*

BIOLOGY

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ZOOLOGY

HOPKINS, G. H. E., *and* **CLAY, T.**

A check list of the genera and species of Mallophaga. British Museum (Natural History); Quaritch; H.M.S.O., 1952. pp.[5],362. 40s. *(D) 438*

PUBLIC HEALTH

ROBERTS, F.
The cost of health. Turnstile Press, 1952. pp.200, tables, diagrs. 16s. *(B) 439*

TURING, H. D.
River pollution. Edward Arnold, 1952. pp.93. 7s. 6d. *Buckland lectures, 1950.* *(A) 440*

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MERCHANT, I. A.
An outline of the infectious diseases of domestic animals. Minneapolis, Burgess, 1951. pp.356. $5. *(B) 441*

ENGINEERING

Testing Materials

BLEICH, F., *and* RAMSEY, L. B.
Buckling strength of metal structures. Ed. by H. H. Bleich. New York, McG.-H., 1952. pp.xiii,508, illus. $10. *Engineering Societies monographs.* *(C) 442*

Mechanical

CINCINNATI MILLING MACHINE COMPANY
Treatise in milling and milling machines. 3rd ed. Cincinnati, Ohio, the Company, 1951. pp.910. $8. *(C) 443*

ROBERTS, J. A., *comp.*
Spring design and calculations. 5th ed. Redditch, Worcestershire, Terry, 1951. pp.127, illus., tables, diagrs. 10s. 6d. *(B) 444*

Electrical

COTTON, H., *and* GOLDING, E. W.
Foundations of electrical engineering: a textbook for students studying for the ordinary National Certificate in electrical engineering. Vol. 1. Pitman, 1952. pp.x,301, illus., tables, diagrs. 20s. *National Certificate series.* *(B) 445*

FEINBERG, R.
Introduction to electronic circuits. L.G., 1952. pp.xiv,163, tables, diagrs. 18s. *(B) 446*

MOLLOY, E., *ed.*
Newnes electrical pocket book. 11th ed. Newnes, [1952]. pp.viii,375, tables, diagrs. 8s. 6d. 'Previous ed. 1950.' *(B) 447*

Electrical Communications

NORRIS, R. C., *ed.*
Radio engineering: a complete guide for all concerned with radio maintenance, production and development. Revised ed. Odhams Press, [1952]. pp.511, illus., tables, diagrs. 15s. 'Previous ed. 1943.' *(A) 448*
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Internal Combustion

FOX, W. J., *and* McBIRNIE, S. C.
Marine steam engines and turbines. Newnes, 1952. pp.vii,343, illus., tables, diagrs. 35s. *Marine engineering series.* *(C) 449*

KEARTON, W. J.
Steam turbine operation: a textbook on the installation, running and testing of steam turbines. 6th ed. Pitman, 1952. pp.453, front., illus., tables, diagrs. 32s. 'Previous ed. 1949.' *(C) 450*

WORKSHOP PRACTICE

FUCHS, E., *and* **BRADLEY, H.,** *eds.*
Welding practice. Vol. III, welding of non-ferrous metals. Butterworths (in association with Imperial Chemical Industries, Ltd.), 1952. pp.[12],183, illus., tables, diagrs., bibliog. 22s. 6d. *(B) 451*

HILTON, B. R.
Engineering machine shop practice. 3rd ed. Pitman, 1952. pp.x,214, illus., tables, diagrs. 15s. 'Previous ed. 1945.' *(B) 452*

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NAVAL

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CIVIL

CHELLIS, R. D.
Pile foundations, theory—design—practice. New York, McG.-H., 1951. pp.xiii,681, illus., tables, diagrs., bibliog. $12.50. *(B) 453*

HAMMOND, R.
Civil engineering plant and methods. Benn, 952. pp.x,229, front., illus., plates, tables, diagrs. 25s. *(B) 454*

TSCHEBOTARIOFF, G. P.
Soil mechanics, foundations and earth structures: an introduction to the theory and practice of design and construction. New York, McG.-H., 1951. pp.655, illus. $6.50. *McGraw-Hill engineering series.* *(B) 455*

AGRICULTURE

MACHINERY

COCHRANE, R. H.
Farm machinery and tractors. Christchurch, New Zealand, Whitcombe and Tombs, 1952. pp.175. 12s. 6d. *(B) 456*

SOILS

HYAMS, E.
Soil and civilization. Thames and Hudson, 1952. pp.viii,312, plates, maps, tables. 21s. *Past in the present series, ed. by J. Hawkes.* *(A) 457*

CROPS

DAVIES, W.
The grass crop; its development, use, and maintenance. Spon, 1952. pp.xiii, 318, front., plates, tables, bibliog. 26s. *Agricultural series, ed. by H. G. Sanders.* *(B) 458*

HORTICULTURE

BOFF, C.
The big book of gardening: a comprehensive guide for the home gardener, giving all necessary advice on the culture of flowers, vegetables and fruit. Odhams Press, [1952]. pp.576, front., illus., plates, tables. 10s. 6d. *(B) 459*

CRANE, M. B., *and* **LAWRENCE, W. J. C.**
The genetics of garden plants. 4th ed. Macmillan, 1952. pp.xvii,301, illus., tables, diagrs., bibliog. 20s. 'Previous ed. 1947.' *(B) 460*

TICQUET, C. E.
Successful gardening without soil. Pearson, 1952. pp.176, plates, tables, diagrs., bibliog. 10s. 6d. *(B) 461*

LIVESTOCK

SYKES, G.
The henyard; with an appendix entitled the turkey yard, by G. Morgan. Crosby Lockwood, 1952. pp.108, plates, tables, diagrs. 9s. 6d. *(A) 462*

PRINTING

HART, H.
Rules for compositors and readers at the University Press, Oxford; the English spellings revised by Sir J. A. H. Murray and H. Bradley. 36th ed. O.U.P., 1952. pp.143, facsims., tables. 6s. 'Previous ed. 1950.' *(D) 463*

MANN, G.
Print: a manual for librarians and students describing in detail the history, methods, and applications of printing and paper making. Grafton, 1952. pp.127, illus. 18s. *(B) 464*

SPENCER, H.
Design in printing. Sylvan Press, 1952. pp.104, illus. (some col.). 12s. 6d. *(B) 465*

INDUSTRIAL ORGANIZATION

Joint consultation in British industry
Joint consultation in British industry: a report of an inquiry undertaken by the National Institute of Industrial Psychology, sponsored by the Human Factors Panel of the Committee on Industrial Productivity. Staples Press, 1952. pp.276, tables, diagrs., bibliog. 21s. *(B) 466*

MACNIECE, E. H.
Production forecasting, planning and control. New York, Wiley; London, C. & H., 1951. pp.xiii,305, illus. $5.50 or 44s. *(B) 467*

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TRANSPORT

SANDERSON, H. F.
Railway commercial practice. Vol. 1, general and passenger. C. & H., 1952. pp.xii,257, front., plates, maps, tables, diagrs. 25s. *(B) 468*

CHEMICAL TECHNOLOGY

BRAUNS, F. E.
The chemistry of lignin. New York, Academic Press, 1952. pp.xvi,803, illus. $14.50. *(C) 469*

GREAT BRITAIN. Department of Scientific and Industrial Research. Intelligence Division
A survey of the sulphur and sulphuric acid position. By R. Ashton and others. H.M.S.O., 1952. pp.25. 1s. 6d. *(A) 470*

CERAMICS

NORTON, F. H.
Elements of ceramics. Cambridge, Massachusetts, Addison-Wesley, 1952. pp.xiv,246, illus. $6.50. *Addison-Wesley metallurgy series.* *(B) 471*

DYES

VENKATARAMAN, K.
The chemistry of synthetic dyes. Vol. 1. New York, Academic Press, 1952. pp.xvi,704, illus. $14.50. *(C) 472*

METALLURGY

GREAT BRITAIN. Department of Scientific and Industrial Research. Technical Information and Documents Unit
A bibliographical survey of German and Japanese experience in the extraction of low-grade non-ferrous ores and the recovery of non-ferrous metals and compounds. H.M.S.O., 1952. pp.vi,100, bibliog. 3s. 6d. *(C) 473*

SMITHELLS, C. J.

Tungsten; a treatise on its metallurgy, properties and applications. 3rd ed. C. & H., 1952. pp.xii,326, plates, tables, diagrs. 75s. 'Previous ed. 1936.' (*C*) *474*

MANUFACTURES

Wood

BRIDGWOOD, A. E., *and* BRIDGWOOD, T. R.

Carpentry and joinery (advanced). Newnes, 1952. pp.vii,247, tables, diagrs. 25s. *Newnes craftsmen's series.* (*B*) *475*

HORDERN, R. H.

Woodworking machinery; theory and practice. Pitman, 1952. pp.vii,154, illus., plates, tables, diagrs. 15s. (*B*) *476*

Textiles

COMMONWEALTH ECONOMIC COMMITTEE. Intelligence Branch

Industrial fibres, [1952]: a summary of figures of production, trade and consumption relating to cotton, wool, silk, flax, jute, hemp, mohair, coir, rayon and other man-made fibres. H.M.S.O. 1952. pp.xx,129, tables. 5s. *Commodity series.* (*D*) *477*

Carter's directory of the textile industry

Carter's directory of the textile industry in Northern Ireland and the Republic of Ireland. Belfast, Carter, [1951]. pp.159. 12s. 6d. (*D*) *478*

PRINGLE, A. V.

Mechanics of flax spinning. Part 1. Belfast, Carter, [1952]. pp.viii,126, illus., tables, diagrs. 25s. *Theory and practice of flax spinning, part 2.* (*B*) *479*

Plastics

DELMONTE, J.

Plastics molding. New York, Wiley, 1952. pp.476. $9. (*C*) *480*

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BUILDING

BILLINGTON, N. S.

Thermal properties of buildings. Cleaver-Hume, 1952. pp.xii,208, illus., tables, diagrs., bibliog. 25s. (*B*) *481*

BRUEL, P. V.

Sound insulation and room acoustics. Tr. from the Danish by J. M. Borup. C. & H., 1951. pp.xi,275, illus., tables, diagrs., bibliog. 35s. (*C*) *482*

SINGER, J. B.

Plastics in building. Architectural Press, 1952. pp.175, illus., tables, diagrs., bibliog. 18s. (*B*) *483*

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BIOGRAPHY

MOSELEY, S.

John Baird: the romance and tragedy of the pioneer of television. Odhams Press, [1952]. pp.256, front., plates. 16s. (*A*) *484*

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

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The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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Workshop practice; a practical textbook. 9th ed. rev. by P. S. Houghton. Technical Press, 1952. pp.xv,739., illus., plans, tables, diagrs., index. 24s. 'Previous ed. 1935.' (*B*) *523*

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Erratum. Vol. 17, No. 5, item 379, page 37, the author of 'The rose in Britain' should be N. Philip Harvey.

PUBLISHERS

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McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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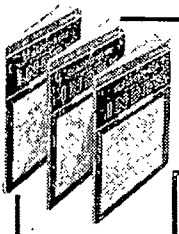

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

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The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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INSTITUTE OF PHYSICS

Notes on the preparation of contributions to the Institute's journals and other publications. Rev. ed. The Institute, 1952. pp.32, diagrs. 2s. 6d. (*B*) *559*

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Union list of Commonwealth law literature in libraries in Oxford, Cambridge and London. The Institute, 1952. Pagination various. 15s. *Publication no. 2.* (*D*) *561*

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Shelf work in libraries. Chicago, American Library Association, 1952. pp.x,68. $1.25. (*B*) *565*

McCOLVIN, L. R.

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The following abbreviations are used in the *Aslib Book-List.*

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L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

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The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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GENERAL SCIENCE

WINTER, H. J. J.

Eastern science; an outline of its scope and contribution. John Murray, 1952. pp.vii,114, bibliog. 5s. *Wisdom of the East series.* *(B) 643*

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UNITED STATES. Army Medical Library

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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[See *789*]

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[See also *777*]

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[See also *733, 737*]

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Disease in plants: an introduction to agricultural phytopathology. Waltham (Mass.), Chronica Botanica, 1952. pp.xix,219, illus. $4.75. *Manual of the plant sciences, vol. 1.* *(B) 744*

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Fleas, flukes and cuckoos: a study of bird parasites. Collins, 1952. pp.xiv, 304, illus., plates, bibliog. 21s. *New naturalist monographs, ed. by J. Fisher and others, no. 7.* *(A) 747*

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Graphic aids in engineering computation, by R. H. Hoelscher, J. N. Arnold, [and] S. H. Pierce. New York, London, [etc.], Mc.G.-H., 1952. pp.viii,197, illus., tables, diagrs. $4.50 or 38s. 6d. *(B) 749*

MECHANICAL

[See *729*]

ELECTRICAL

MOLLOY, E., *ed.*

Electrical instruments, meter and electronic control. Newnes, 1952. pp.vii, 196, illus., diagrs. 17s. 6d. *Practical electrical engineering series, ed. by E. Molloy.* *(B) 750*

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Handbook of the collections illustrating British fishing-boats and coastal craft, by E. W. White. Part 2: Descriptive catalogue and list of plans. H.M.S.O., 1952. pp.48, plates (incl. plans), tables, bibliog. 3s. 6d. *(A) 754*

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The watchmakers' lathe and how to use it. N.A.G. Press, 1952. pp.154, illus., tables, diagrs. 30s. *(C) 783*

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Golden ages of the great cities

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BROCK, G. C.

Physical aspects of air photography. L.G., 1952. pp.viii,267, plates, tables, diagrs., bibliog. 56s. *(C) 786*

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H.M.S.O. : Her Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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Augustine to Galileo: the history of science, A.D. 400–1650. Falcon Press, 1952. pp.xv,436, illus., plates, diagrs., bibliog. 42s. *(B) 790*

KEMPTHORNE, O.

The design and analysis of experiments. New York, Wiley; London, C. & H. [1952]. pp.xix,631, tables, diagrs., bibliog. $8.50 or 68s. *Wiley publications in statistics.* *(C) 791*

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[See *805*]

LIBRARIANSHIP

COMMITTEE OF UNIVERSITY INDUSTRIAL RELATIONS LIBRARIANS. Sub-Committee on Subject Headings.

A standard list of subject headings in industrial relations. Princeton (New Jersey), Princeton University Industrial Relations Section, 1952. pp.v,95. $2.50. *(D) 792*

SAVAGE, E. A.

A librarian's memories: portraits and reflections. Grafton, 1952. pp.179. 18s. *(A) 793*

SOUTH EASTERN REGIONAL LIBRARY SYSTEM

Subject specialisation: list of subjects arranged in order of Dewey Decimal Classification showing the library authority responsible for purchase, together with index of co-operating libraries with their code numbers and subjects of specialisation. The System, 1952. pp.22. 2s. *(D) 794*

DIRECTORIES

The gown and mantle directory

The gown and mantle directory, 1951–1952 ed. Kemp's Commercial Guides, [1952]. pp.84. 10s. *(D) 795*

KEMP'S COMMERCIAL GUIDES LTD.

Kemp's trades register of London: merchants, manufacturers, shippers, importers and exporters, professional and general trades. 1952 ed. Kemp's Commercial Guides, 1952. pp.vi,407. 80s. *(D) 796*

SOCIAL SCIENCES

LÉVI-STRAUSS, C.

Race and history. Paris, Unesco, 1952. pp.50, bibliog. 25¢., 1s. 6d., or 75 frs. *The Race Question in Modern Science.* *(A) 797*

Parliament

Parliament: a survey. A. & U., 1952. pp.256. 22s. 6d. 'Useful series of essays by specialists on recent developments in Parliamentary government.' *(A) 798*

RUSSELL, B.

The impact of science on society. A. & U., 1952. pp.140. 7s. 6d. *(B) 799*

STATISTICS

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ECONOMICS

CONAN, A. R.

The sterling area. Macmillan, 1952. pp.ix,152, tables. 16s. *(B) 800*

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The following abbreviations are used in the *Aslib Book-List.*

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H.M.S.O. : Her Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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BIBLIOGRAPHIES

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Review of metal literature [1950–1951]; an annotated survey of articles and technical papers; M. R. Hyslop, editor, W. W. Howell, technical abstractor. Vols. 7–8. Cleveland (Ohio), the Society, 1951–52. 2 v. $15 each. ($10 each to members). *(D) 869*

ASLIB
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LIBRARIANSHIP

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Efficiency in the library; the efficient use of staff, maximum value from current expenditure, being papers read at the Annual Week-end Conference of the London and Home Counties Branch of the Library Association held at Southend, 17th–19th October, 1952. [General editor, E. O. Reed.] The Branch, 1952. pp.[2],37. 2s. 6d. *(B) 872*

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